ORDER NO.MTNC070828CE
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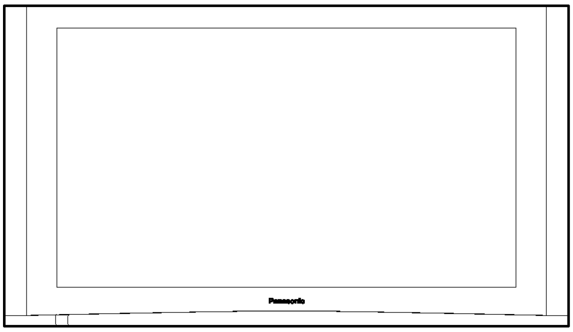
Service Manual

High Definition Plasma Television

TH-42PZ77U

GP10DHU Chassis



Specifications

Power Source	AC 120 V, 60 Hz	
Power Consumption		
Maximum	578 W	
Standby condition	0.2 W	
Plasma Display panel		
Drive method	AC type	
Aspect Ratio	16 : 9	
Visible screen size	42” (Diagonal)	
(W × H × Diagonal)	36.2 ” × 20.4 ” × 41.6 ” (922 mm × 518 mm × 1,057 mm)	
(No. of pixels)	2,073,600 (1,920 (W) × 1,080 (H)) [5,760 × 1,080 dots]	
Sound		
Audio Output	20 W [10 W + 10 W] (10 % THD)	
Channel Capability (Digital/Analog)	VHF/UHF: 2 - 69, CATV: 1 - 135	
Operating Conditions	Temperature: 32 °F - 104 °F (0 °C - 40 °C)	
	Humidity: 20 % - 80 % RH (non-condensing)	
Connection Terminals		
INPUT 1-3	VIDEO:	RCA PIN Type × 1 1.0 V [p-p] (75 ohm)
	S-VIDEO:	Mini DIN 4-pin Y: 1.0 V [p-p] (75 ohm) C: 0.286 V [p-p] (75 ohm)
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
COMPONENT VIDEO INPUT 1-2	Y:	1.0 V [p-p] (including synchronization)
	P_B, P_R:	± 0.35 V [p-p]
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
HDMI 1-2 AUDIO IN	TYPE A Connector × 2	
	●This TV supports “HDAVI Control 2” function.	
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
Card slot	SD CARD slot × 1	
AV PROG. OUT	VIDEO:	RCA PIN Type × 1 1.0 V [p-p] (75 ohm)
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
DIGITAL AUDIO OUT	PCM/Dolby Digital, Fiber Optic	

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FEATURES	3D Y/C FILTER	
	CLOSED CAPTION	V-Chip
	Photo Viewer	HDAVI Control 2
Dimensions (W × H × D)		
Including pedestal	44.7 ” × 27.1 ” × 13.0 ” (1,134 mm × 688 mm × 330 mm)	
TV Set only	44.7 ” × 25.3 ” × 4.6 ” (1,134 mm × 641 mm × 116 mm)	
Mass		
Including pedestal	92.6 lb. (42 kg)	
TV Set only	77.2 lb. (35 kg)	

Note:

- Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Applicable signals

* Mark: Applicable input signal for Component (Y, PB, PR), HDMI

	horizontal frequency (kHz)	vertical frequency (Hz)	COMPONENT	HDMI
525 (480) / 60i	15.73	59.94	*	*
525 (480) /60p	31.47	59.94	*	*
750 (720) /60p	45.00	59.94	*	*
1,125 (1,080) /60i	33.75	59.94	*	*
1,125 (1,080) /60p	67.43	59.94		*
1,125 (1,080) /60p	67.50	60.00		*

Note
- Signals other than those shown above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.

2 Safety Precautions

2.1. General Guidelines

1. When conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
2. When wiring units (with cables, flexible cables or lead wires) are supplied as repair parts and only one wire or some of the wires have been broken or disconnected, do not attempt to repair or re-wire the units. Replace the entire wiring unit instead.
3. When conducting repairs and servicing, do not twist the Faston connectors but plug them straight in or unplug them straight out.
4. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
6. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1Mohm and 5.2Mohm.
   When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

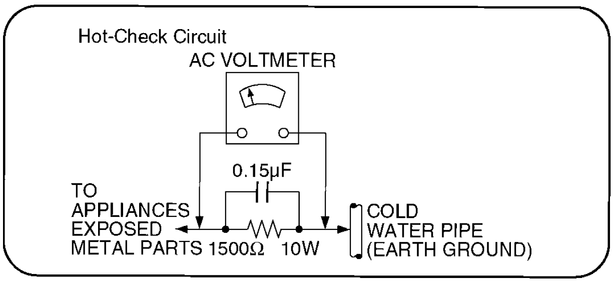

Hot-Check Circuit
AC VOLTMETER
0.15μF
TO APPLIANCES EXPOSED METAL PARTS
1500Ω 10W
COLD WATER PIPE (EARTH GROUND)

Figure 1

2.1.2. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kohm, 10 watts resistor, in parallel with a 0.15μF capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3 Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise ham less motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety.
These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4 About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

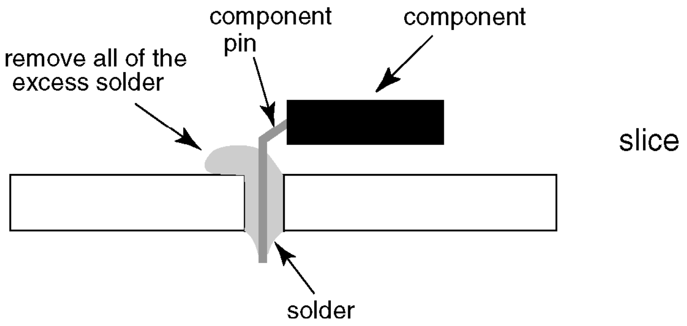
This model uses Pb Free solder in it’s manufacture due to environmental conservation issues. For service and repair work, we’d suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol **PbF** stamped on the back of PCB.

Caution

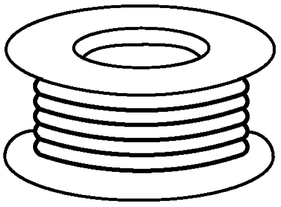
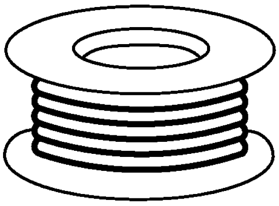
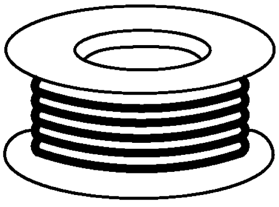
- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

  If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



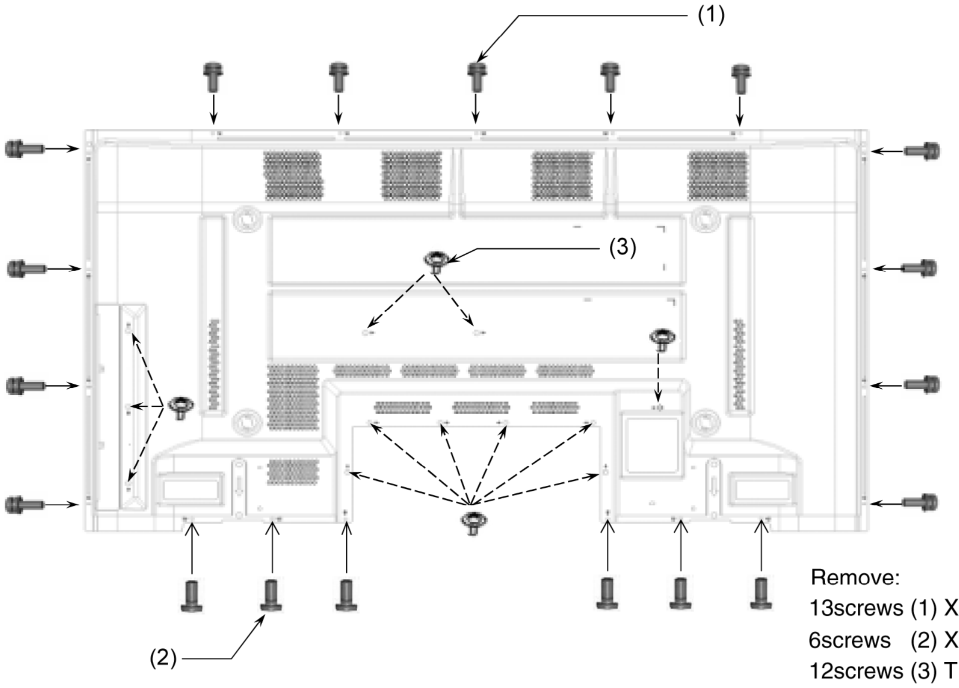
Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

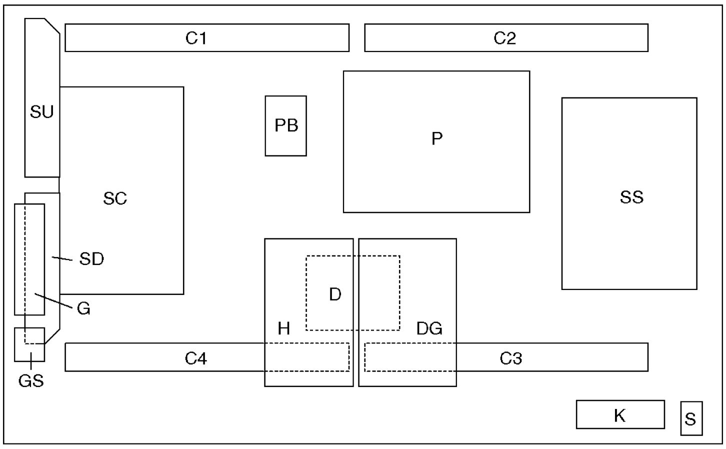
0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

5 Service Hint

Remove the Rear Cover



Remove:
13screws (1) XYN4+F10FJK
6screws (2) XTB4+12GFJK
12screws (3) THEL0429



Board Name	Function	Board Name	Function
P	Power Supply	D	Format Converter, Plasma AI, Sub-Field Processor
PB	Fan control	C1	Data Driver (Upper Right)
H	Speaker out, Sound Processor AV Terminal, AV Switch	C2	Data Driver (Upper Left)
		C3	Data Driver (Lower Left)
DG	DC-DC Converter Digital Signal Processor, Microcomputer HDMI Interface, Peaks Lite 2, Full HD	C4	Data Driver (Lower Right)
		SC	Scan Drive
		SU	Scan out (Upper)
G	Front terminal, Key Switch	SD	Scan out (Lower)
K	Remote receiver, Power LED	SS	Sustain Drive
S	Power Switch		
GS	SD Card Slot		

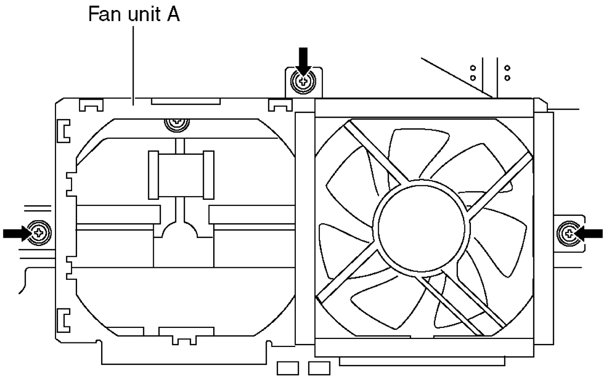
6 Plasma panel replacement method

6.1. Remove the Back cover

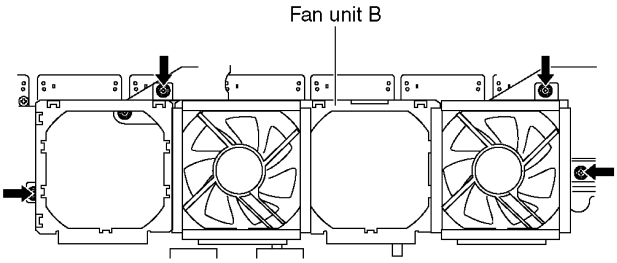
1. See Service Hint. (Section 5)

6.2. Remove the fan

1. Disconnect the relay connectors.
2. Remove the screws (×3 ➡ each) and remove the fan unit A.

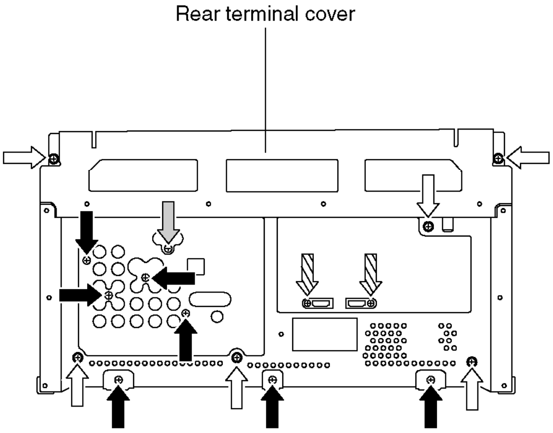


3. Disconnect the relay connectors.
4. Remove the screws (×4 ➡) and remove the fan unit B.



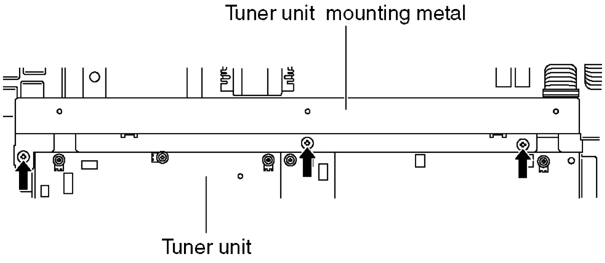
6.3. Remove the rear terminal cover

1. Remove the screws (×7 ➡ , ×6 ⇨ , ×1 ⇨ , ×2 ➩).
2. Remove the rear terminal cover.

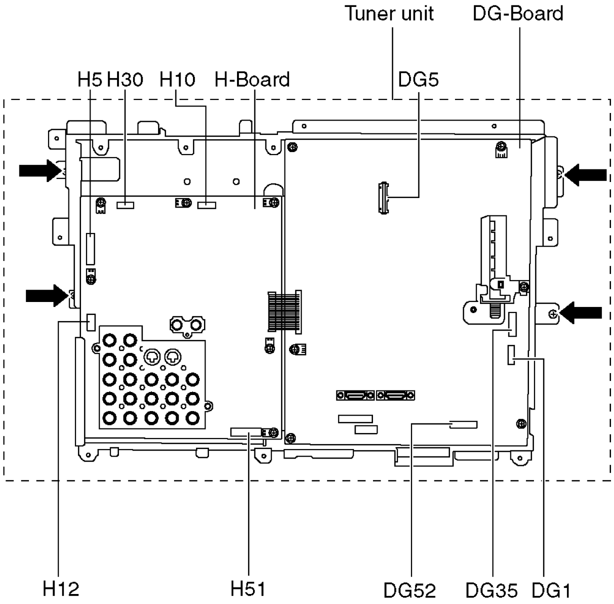

Rear terminal cover

6.4. Remove the tuner unit

1. Remove the screws (×3 ➡).
2. Remove the tuner unit mounting metal.

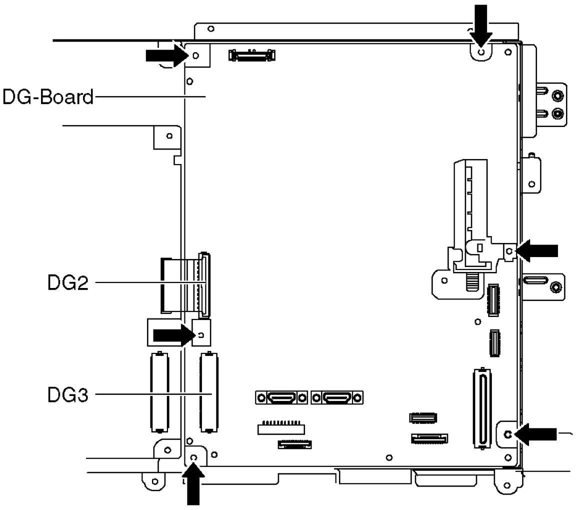

Tuner unit mounting metal
Tuner unit

3. Unlock the cable clampers to free the cable.
4. Disconnect the connectors (DG1, DG5, DG35, DG52, H5, H10, H11, H12, H30 and H51).
5. Remove the screws (×4 ➡) and remove the tuner unit.

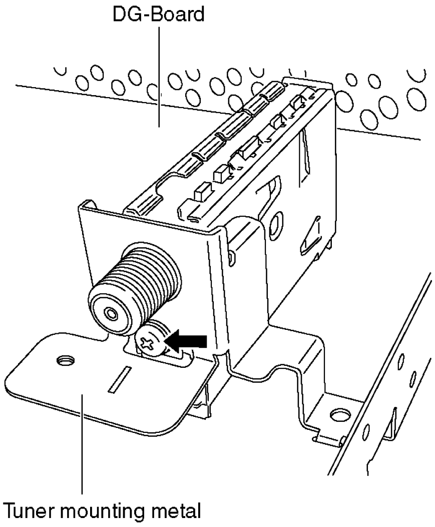

Tuner unit
DG-Board
H5
H30
H10
H-Board
DG5
H12
H51
DG52
DG35
DG1

6.5. Remove the DG-Board

1. Remove the tuner unit. (See section 6.4.)
2. Disconnect the flexible cable (DG3).
3. Disconnect the connector (DG2).
4. Remove the screws (×6 ➡) and remove the DG-Board.

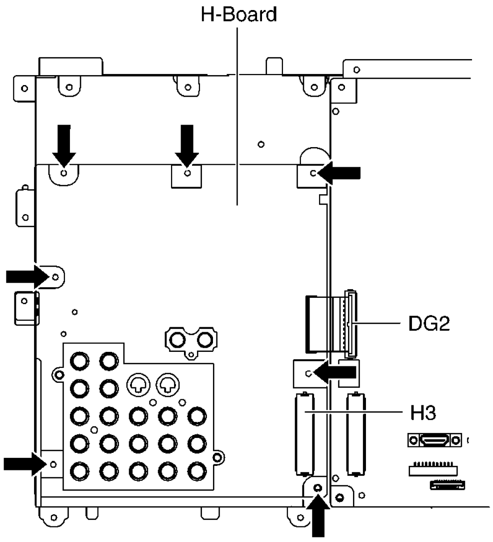

DG-Board
DG2
DG3

5. Remove the screw (×1 ➡) and remove the tuner mounting metal.


DG-Board
Tuner mounting metal

6.6. Remove the H-Board

1. Remove the tuner unit. (See section 6.4.)
2. Disconnect the flexible cable (H3).
3. Disconnect the connector (DG2).
4. Remove the screws (×7 ➡) and remove the H-Board.

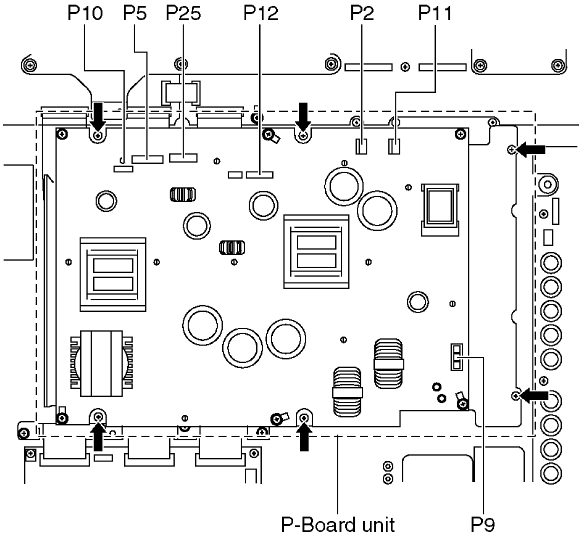

H-Board
DG2
H3

6.7. Remove the P-Board

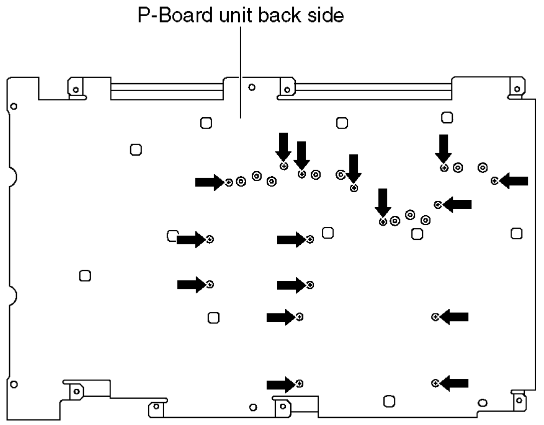
Caution:

To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

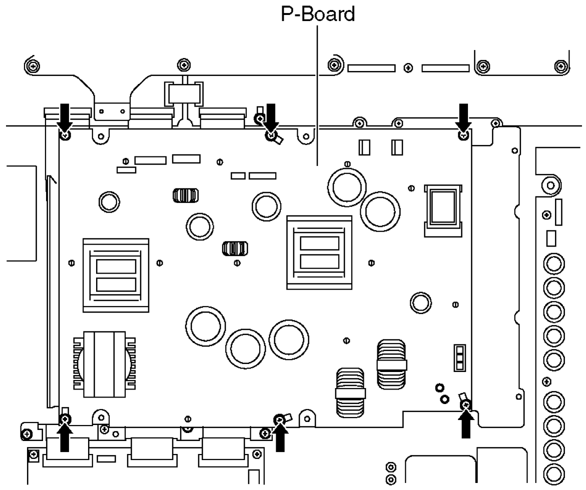
1. Unlock the cable clampers to free the cable.
2. Disconnect the connectors (P2, P5, P9, P10, P11, P12 and P25).
3. Remove the screws (×6 ➡) and remove the P-Board unit.


P10
P5
P25
P12
P2
P11
P-Board unit
P9

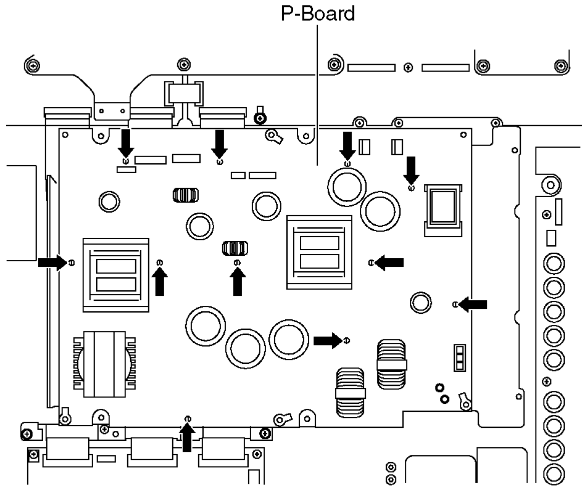
4. Remove the screws (×16 ➡) on the back side.


P-Board unit back side

5. Remove the screws (×6 ➡).

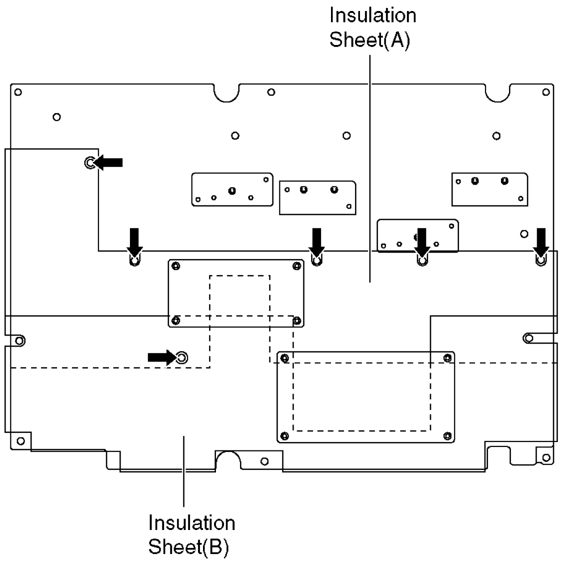


6. Remove the molding props (×11 ➡).
7. Remove the P-Board.



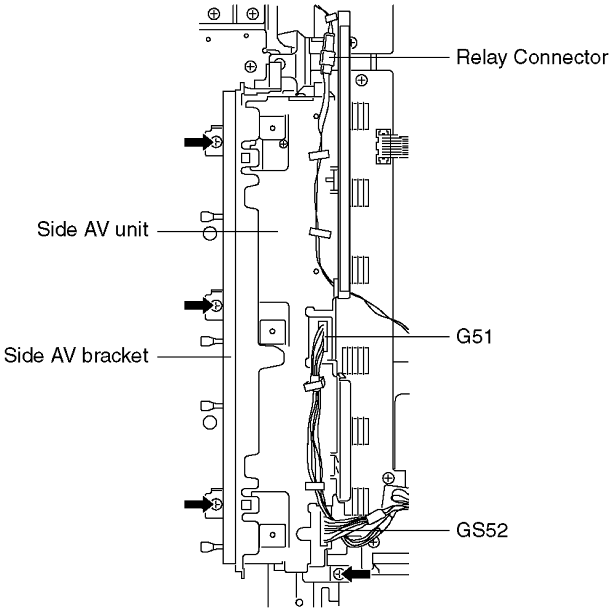
Note:

When assembling the P-Board, the position of each hole of the insulation sheets(A, B) is set to the position of each hole of the P-Board and then assemble them. (➡ marks indicate setting positions.)

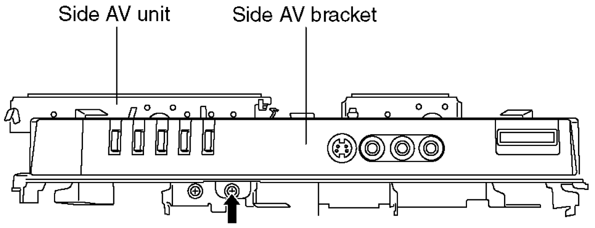

Insulation Sheet(A)
Insulation Sheet(B)

6.8. Remove the side AV unit and the side AV bracket.

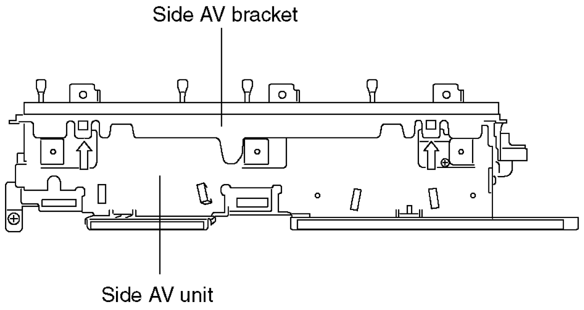
1. Unlock the cable clampers to free the cable.
2. Disconnect the connectors (G51 and GS52) and relay connector.
3. Remove the screws (×4 ➡).
4. Remove the side AV unit.

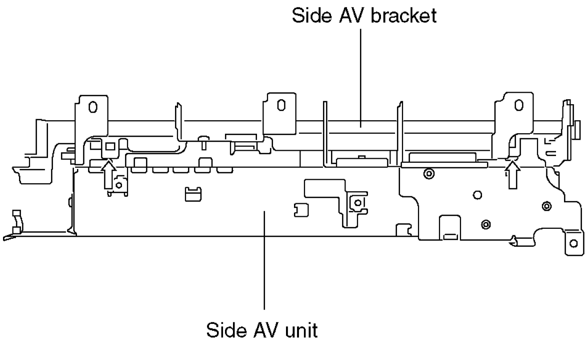

Relay Connector
Side AV unit
G51
Side AV bracket
GS52

5. Remove the screw (×1 ➡).


Side AV unit
Side AV bracket

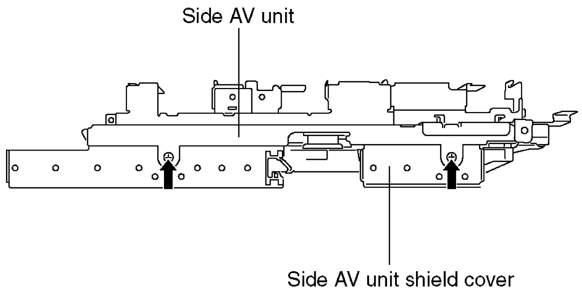
6. Remove the tabs (×4 ⇨) and Remove the side AV bracket.


Side AV bracket
Side AV unit

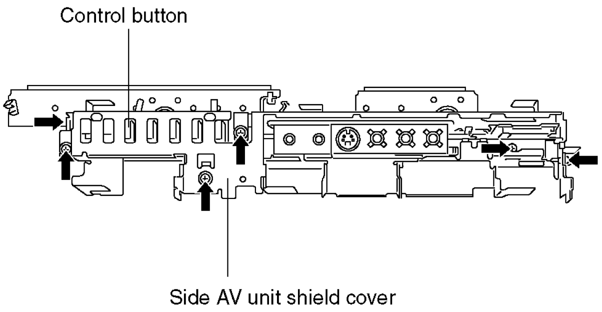

Side AV bracket
Side AV unit

6.9. Remove the G-Board and GS-Board

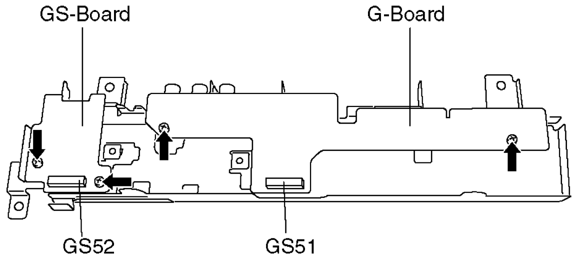
1. Remove the side AV unit and the side AV bracket. (See section 6.8.)
2. Remove the screws (×2 ➡).


Side AV unit
Side AV unit shield cover

3. Remove the screws (×6 ➡) and remove the side AV unit shield cover and the control button.

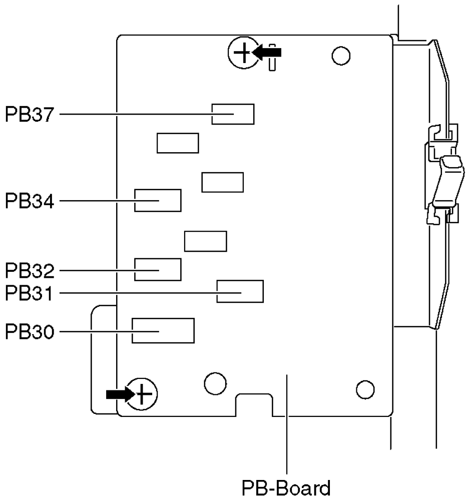

Control button
Side AV unit shield cover

4. Remove the screws (×4 ➡) and remove the G-Board and GS-Board.


GS-Board
G-Board
GS52
GS51

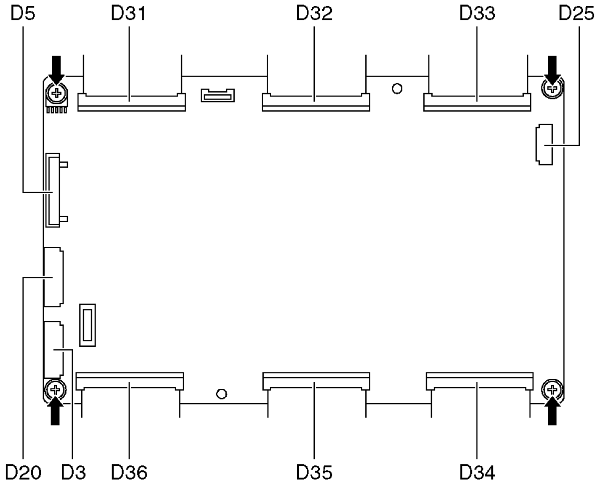
6.10. Remove the PB-Board

1. Unlock the cable clampers to free the cable.
2. Disconnect the connectors (PB30, PB31, PB32, PB34 and PB37).
3. Remove the screw (×2 ➡) and remove the PB-Board.


PB37
PB34
PB32
PB31
PB30
PB-Board

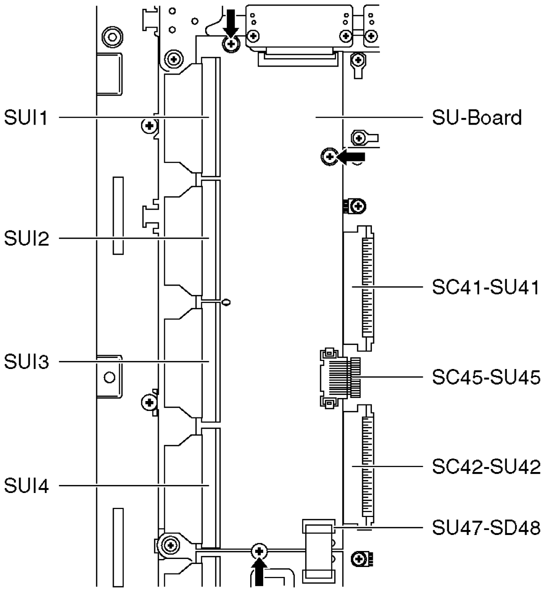
6.11. Remove the D-Board

1. Remove the tuner unit. (See section 6.4.)
2. Disconnect the connectors (D3, D5, D20 and D25).
3. Disconnect the flexible cables (D31, D32, D33, D34, D35 and D36).
4. Remove the screws (×4 ➡) and remove the D-Board.


D5
D31
D32
D33
D25
D20
D3
D36
D35
D34

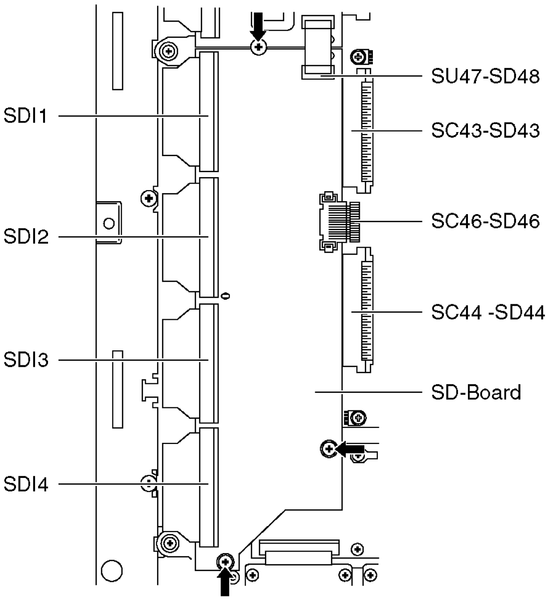
6.12. Remove the SU-Board

1. Remove the side AV unit and the side AV bracket. (See section 6.8.)
2. Remove the screws (×3 ➡).
3. Disconnect the flexible cables (SUI1, SUI2, SUI3 and SUI4) connected to the SU-Board and remove the connectors (SC45-SU45).
4. Disconnect the flexible cable (SU47-SD48).
5. Slide the SU-Board to the left to disconnect from connectors (SC41-SU41 and SC42-SU42) on the SC-Board and remove the SU-Board.


SUI1
SU-Board
SUI2
SC41-SU41
SUI3
SC45-SU45
SC42-SU42
SUI4
SU47-SD48

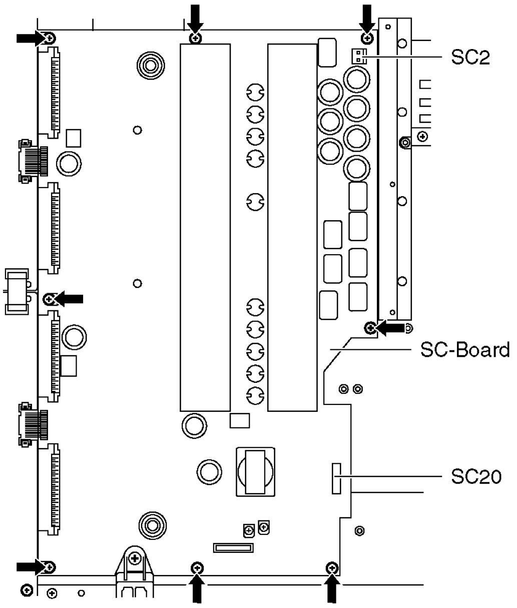
6.13. Remove the SD-Board

1. Remove the side AV unit and the side AV bracket. (See section 6.8.)
2. Remove the screws (×3 ➡).
3. Disconnect the flexible cables (SDI1, SDI2, SDI3 and SDI4) connected to the SD-Board and remove the connector (SC46-SD46).
4. Disconnect the flexible cable (SU47-SD48).
5. Slide the SD-Board to the left to disconnect from connectors (SC43-SD43 and SC44-SD44) on the SC-Board and remove the SD-Board.


SU47-SD48
SDI1
SC43-SD43
SC46-SD46
SDI2
SC44 -SD44
SDI3
SD-Board
SDI4

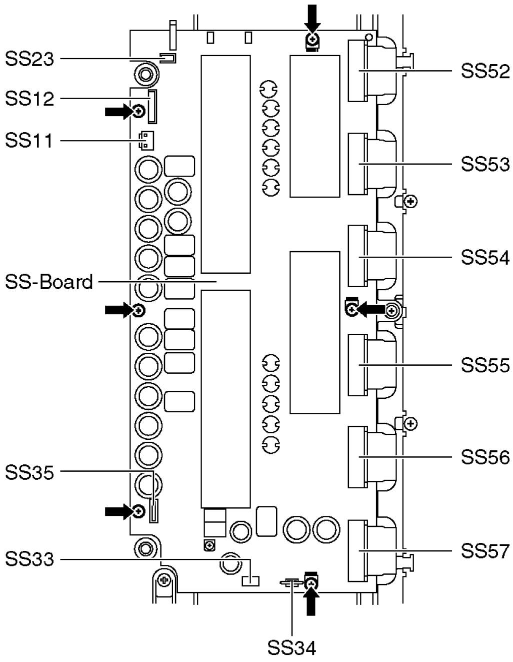
6.14. Remove the SC-Board

1. Remove the side AV unit and the side AV bracket. (See section 6.8.)
2. Remove the SU-Board and SD-Board. (See section 6.12. and 6.13.)
3. Unlock the cable clampers to free the cable.
4. Disconnect the connectors (SC2 and SC20).
5. Remove the screws (×8 ➡) and remove the SC-Board.


SC2
SC-Board
SC20

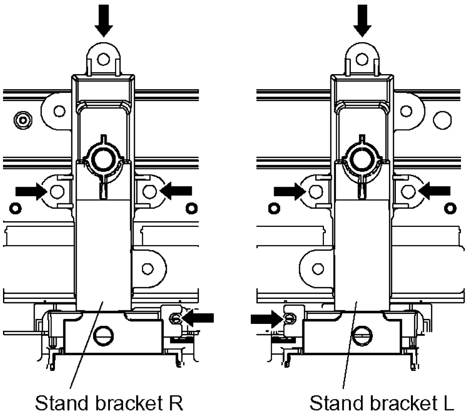
6.15. Remove the SS-Board

1. Disconnect the connectors (SS11, SS12, SS23, SS33 and SS35).
2. Remove a short-jumper connector SS34 and re-use for new SS-Board.
3. Disconnect the flexible cables (SS52, SS53, SS54, SS55, SS56 and SS57).
4. Remove the screws (×6 ➡) and remove the SS-Board.


SS23
SS12
SS11
SS-Board
SS35
SS33
SS34
SS52
SS53
SS54
SS55
SS56
SS57

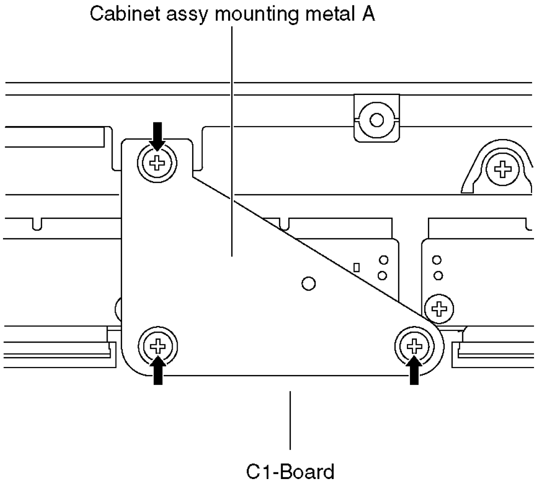
6.16. Remove the stand brackets

1. Remove the plasma panel section from the servicing stand and lay on a flat surface such as a table (covered) with the plasma panel surface facing downward.
2. Remove the stand brackets (left, right) fastening screws (×4 ➡ each) and remove the stand brackets (left, right).

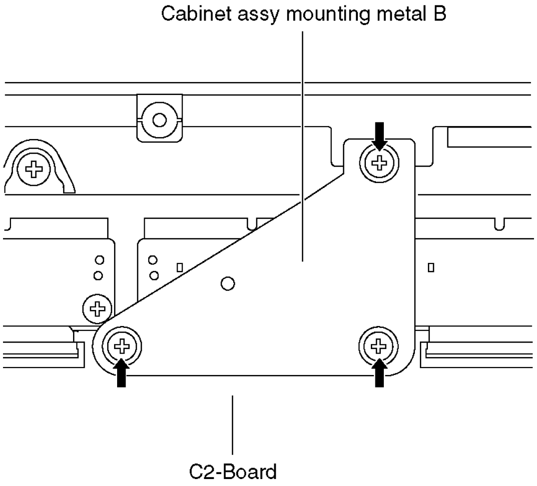

Stand bracket R
Stand bracket L

6.17. Remove the cabinet assy mounting metal.

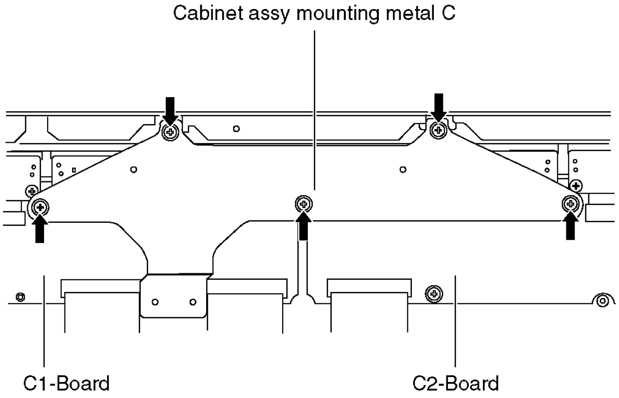
1. Remove the screws (×3 ➡).
2. Remove the cabinet assy mounting metal A.


Cabinet assy mounting metal A
C1-Board

3. Remove the screws (×3 ➡).
4. Remove the cabinet assy mounting metal B.

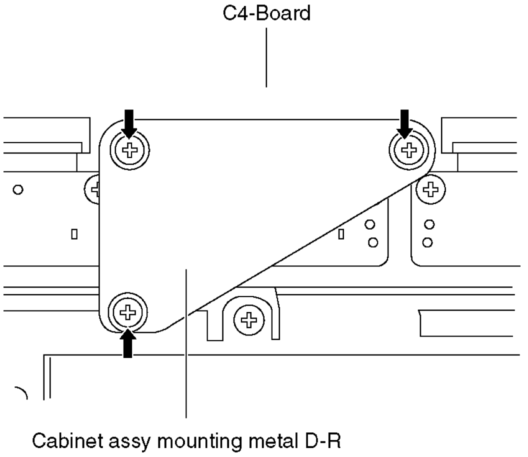

Cabinet assy mounting metal B
C2-Board

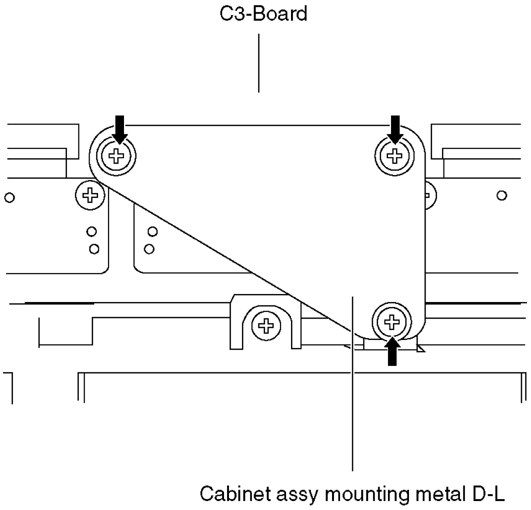
5. Remove the screws (×5 ➡).
6. Remove the cabinet assy mounting metal C.


Cabinet assy mounting metal C
C1-Board
C2-Board

7. Remove the screws (×3 ➡ each).

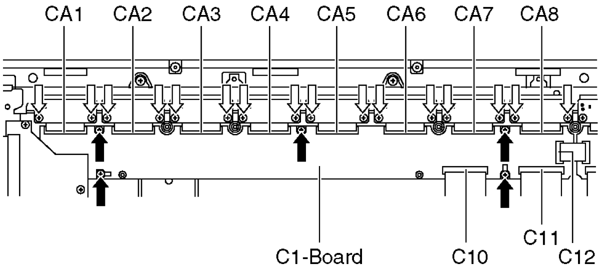
8. Remove the cabinet assy mounting metal D-L and D-R.


C4-Board
Cabinet assy mounting metal D-R


C3-Board
Cabinet assy mounting metal D-L

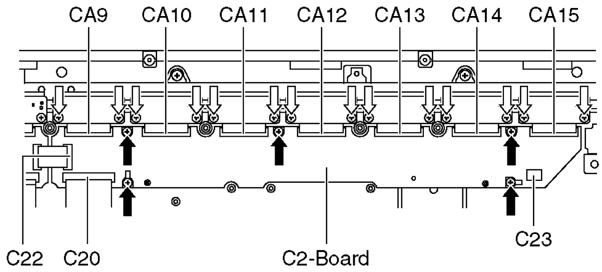
6.18. Remove the C1-Board

1. Remove the fans. (See section 6.2.)
2. Remove the cabinet assy mounting metal A and C. (See section 6.17.)
3. Remove the flexible cables holder fastening screws (×16 ⇨).
4. Disconnect the flexible cables (CA1, CA2, CA3, CA4, CA5, CA6, CA7 and CA8).
5. Disconnect the flexible cables (C10, C11 and C12).
6. Remove the screws (×5 ➡) and remove the C1-Board.


CA1
CA2
CA3
CA4
CA5
CA6
CA7
CA8
C1-Board
C10
C11
C12

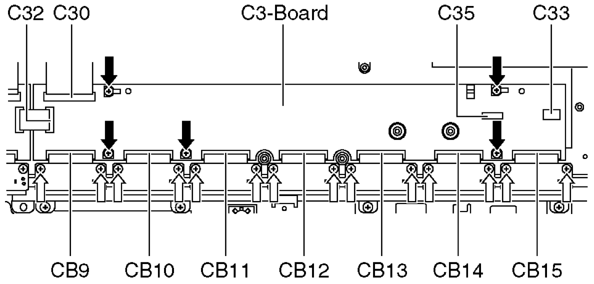
6.19. Remove the C2-Board

1. Remove the fans. (See section 6.2.)
2. Remove the cabinet assy mounting metal B and C. (See section 6.17.)
3. Remove the flexible cables holder fastening screws (×14 ⇨).
4. Disconnect the flexible cables (CA9, CA10, CA11, CA12, CA13, CA14 and CA15).
5. Disconnect the flexible cables (C20 and C22).
6. Disconnect the connector (C23).
7. Remove the screws (×5 ➡) and remove the C2-Board.


CA9
CA10
CA11
CA12
CA13
CA14
CA15
C23
C22
C20
C2-Board

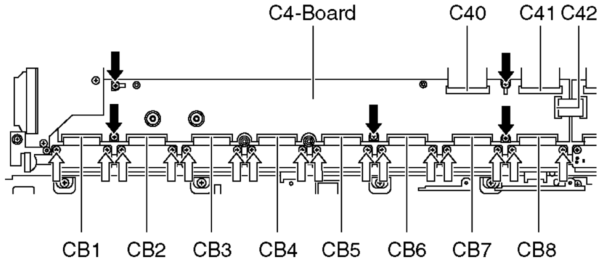
6.20. Remove the C3-Board

1. Remove the tuner unit. (See section 6.4.)
2. Remove the stand bracket left. (See section 6.16.)
3. Remove the cabinet assy mounting metal D-L. (See section 6.17.)
4. Remove the flexible cables holder fastening screws (×14 ⇨).
5. Disconnect the flexible cables (CB9, CB10, CB11, CB12, CB13, CB14 and CB15).
6. Disconnect the flexible cables (C30 and C32).
7. Disconnect the connectors (C33 and C35).
8. Remove the screws (×5 ➡) and remove the C3-Board.


C32
C30
C3-Board
C35
C33
CB9
CB10
CB11
CB12
CB13
CB14
CB15

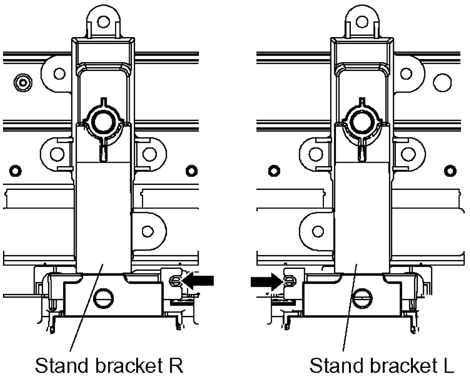
6.21. Remove the C4-Board

1. Remove the tuner unit. (See section 6.4.)
2. Remove the stand bracket right. (See section 6.16.)
3. Remove the cabinet assy mounting metal D-R. (See section 6.17.)
4. Remove the flexible cables holder fastening screws (×16 ⇨).
5. Disconnect the flexible cables (CB1, CB2, CB3, CB4, CB5, CB6, CB7 and CB8).
6. Disconnect the flexible cables (C40, C41 and C42).
7. Remove the screws (×5 ➡) and remove the C4-Board.

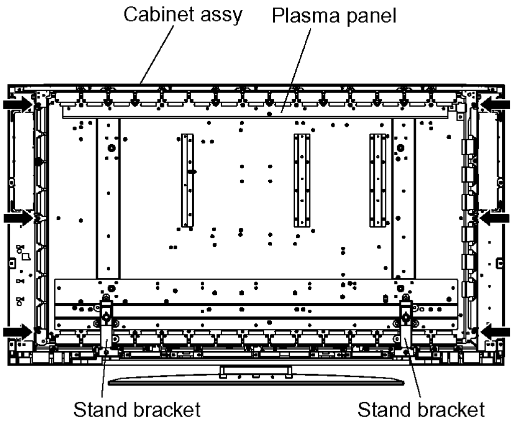

C4-Board
C40
C41
C42
CB1
CB2
CB3
CB4
CB5
CB6
CB7
CB8

6.22. Remove the Plasma panel section from the Cabinet assy (glass)

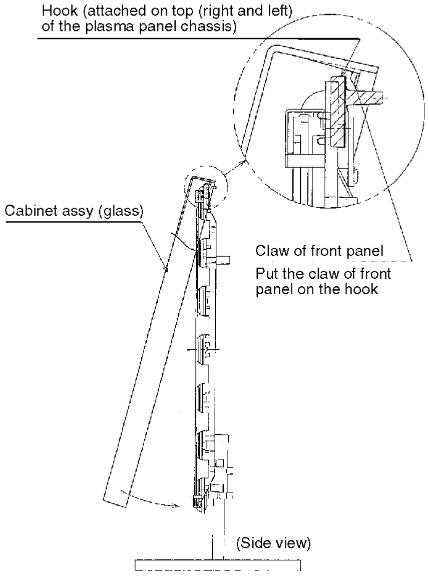
1. Remove the plasma panel section from the servicing stand and lay on a fiat surface such as a table (covered) with the plasma panel surface facing downward.
2. Remove the stand brackets (left, right) fastening screws (×1 ➡ each).


Stand bracket R
Stand bracket L

3. Replace the servicing stand and stand the set.
4. Remove the cabinet assy mounting metals. (See section 6.17.)
5. Remove the cabinet assy and the plasma panel fastening screws (×6 ➡).

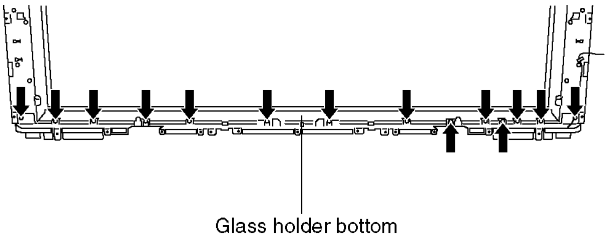

Cabinet assy
Plasma panel
Stand bracket
Stand bracket

6. For leaving the plasma panel from the cabinet assy, pull the bottom of the front frame forward, lift, and remove.

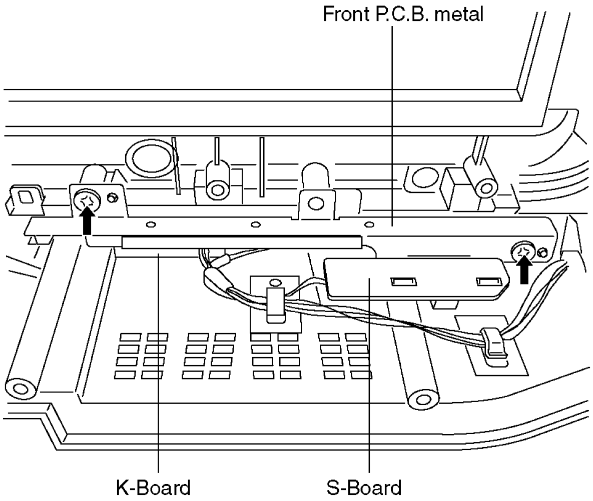

Hook (attached on top (right and left) of the plasma panel chassis)
Cabinet assy (glass)
Claw of front panel
Put the claw of front panel on the hook
(Side view)

6.23. Remove the K-Board and the S-Board

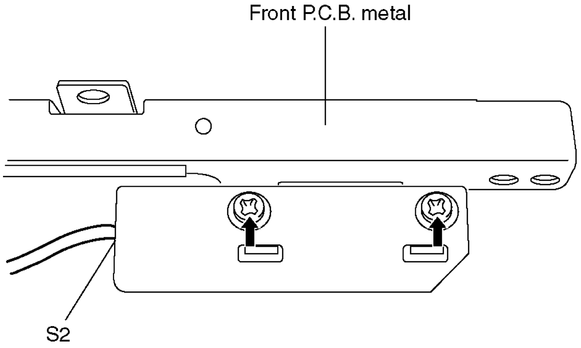
1. Remove the cabinet assy. (See section 6.22.)
2. Remove the screws (×14 ➡) and remove the glass holder bottom.


Glass holder bottom

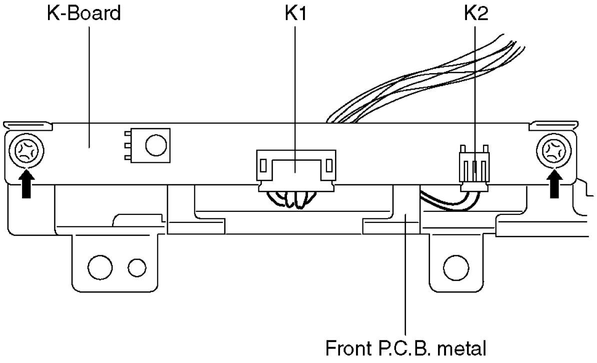
3. Unlock the cable clampers to free the cable.
4. Remove the screws (×2 ➡) and remove the front P.C.B. metal.



5. Remove the screws (×2 ➡).
6. Disconnect the connector (S2) and Remove the S-Board.



7. Remove the screws (×2 ➡).
8. Disconnect the connectors (K1 and K2) and remove the K-Board.



6.24. Replace the plasma panel (finished)

1. Place the new plasma panel (finished) on the flat surface of the table (covered by a soft cloth), with the plasma panel surface facing downward.
2. Attach the C1, C2, C3-Board and the C4-Board, connect the flexible cables (×30) from the Plasma panel to the C1, C2, C3-Board and the C4-Board, and fit the flexible cable holders.
3. Attach the Hooks (left, right) and fit the stand brackets (L, R) to the new plasma panel.
4. Place the plasma panel section on the servicing stand.
5. Attach the cabinet assy and each P.C.Board and so on, to the new plasma panel.

*** When fitting the cabinet assy, be careful not to allow any debris, dust or handling residue to remain between the front glass and plasma panel.**

7 Caution statement

7.1. Caution statement.

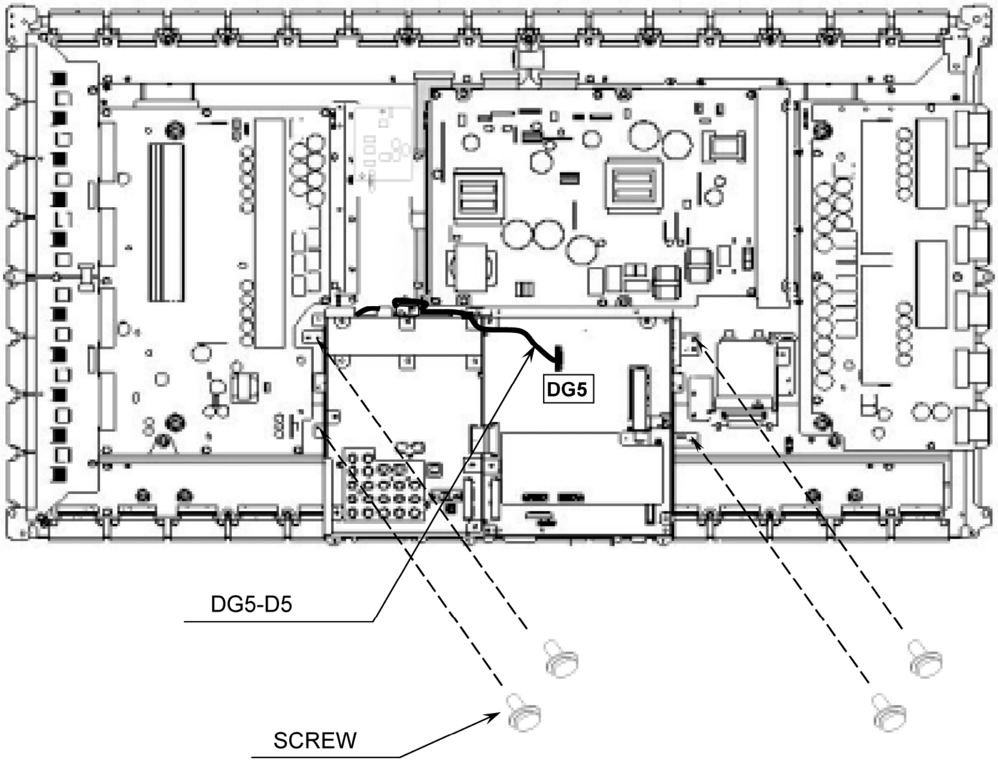
Caution:

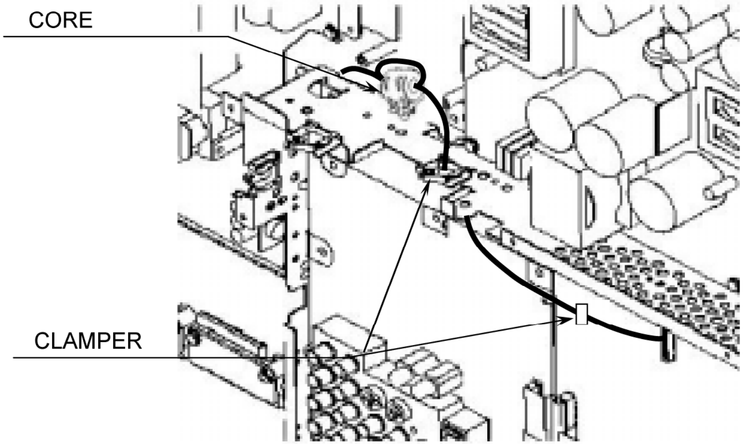
Please confirm that all flexible cables are assembled correctly.
Also make sure that they are locked in the connectors.
Verify by giving the flexible cables a very slight pull.

8 Location of Lead Wiring

8.1. Lead of Wiring (1)

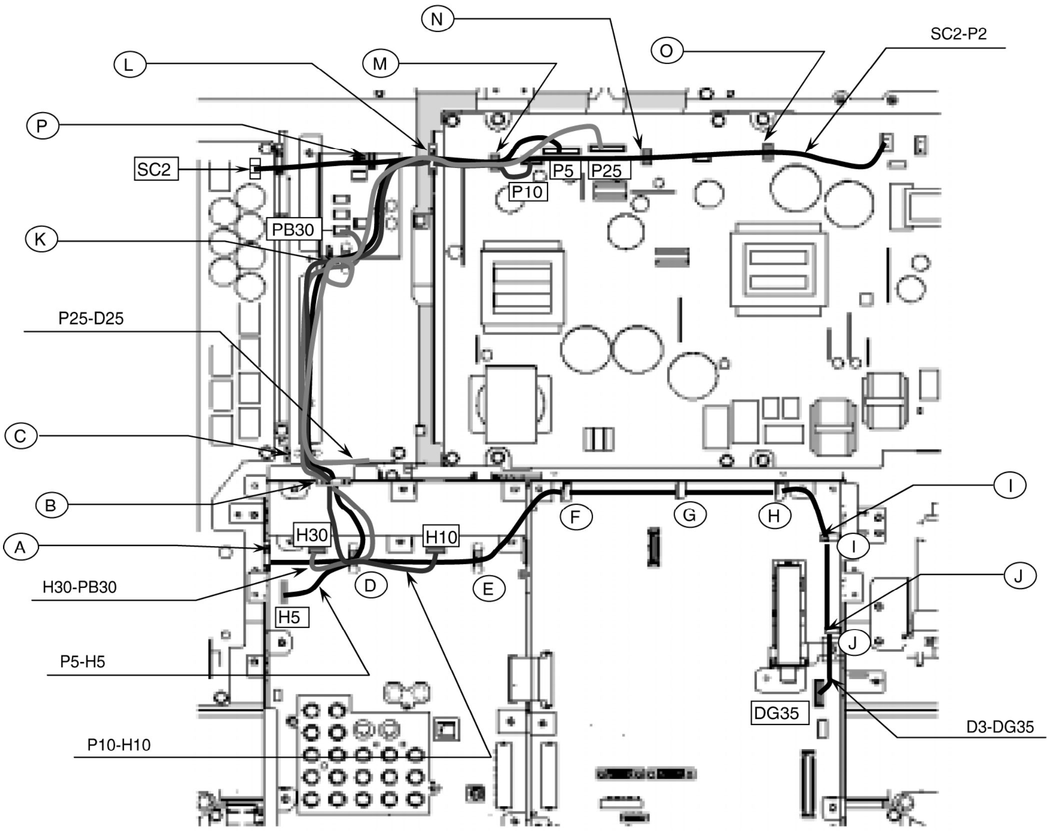
The wire is dressed as shown in figure.


DG5
DG5-D5
SCREW


CORE
CLAMPER

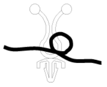
8.2. Lead of Wiring (2)

The wire is dressed as shown in figure.


N
L
M
O
SC2-P2
P
SC2
P5
P25
P10
PB30
K
P25-D25
C
I
B
F
G
H
H30
H10
A
I
H30-PB30
D
E
J
H5
J
P5-H5
DG35
D3-DG35
P10-H10

CONNECTOR	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	V
D3-DG35	○			○	○	○	○	○	○	○							
P10-H10		○	○	○							○	○	○				
P5-H5		○	○	○							○	○	○				
H30-PB30		○	○	○							○						
SC2-P2												○	○	○	○	○	○
TXJD25HJTB			○								◎	○	○				

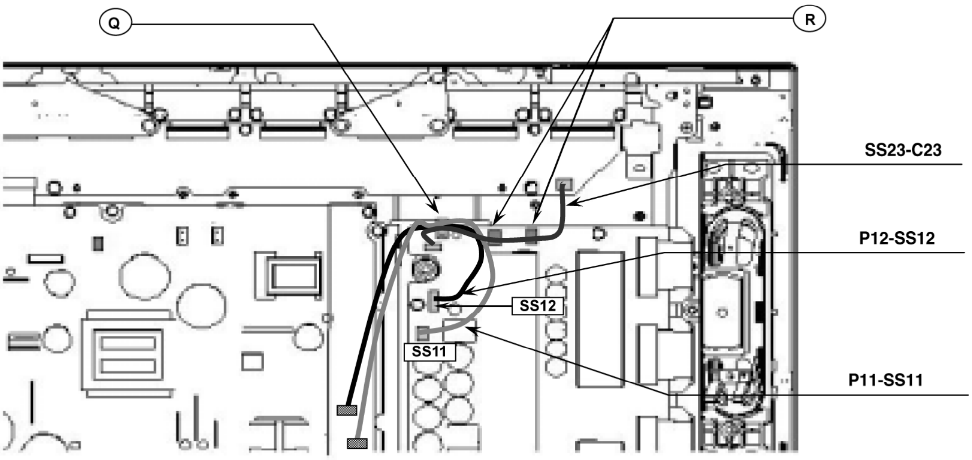
◎ =

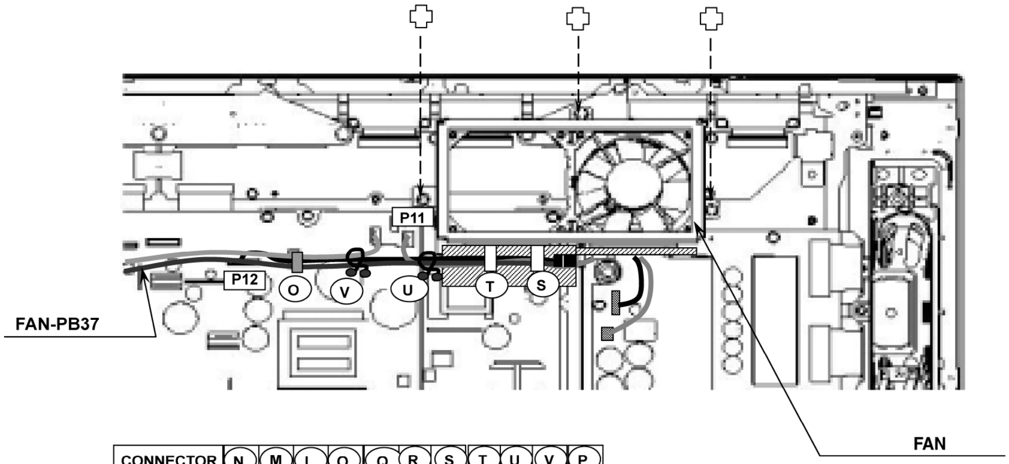


VUELTA

8.3. Lead of Wiring (3)

The wire is dressed as shown in figure.

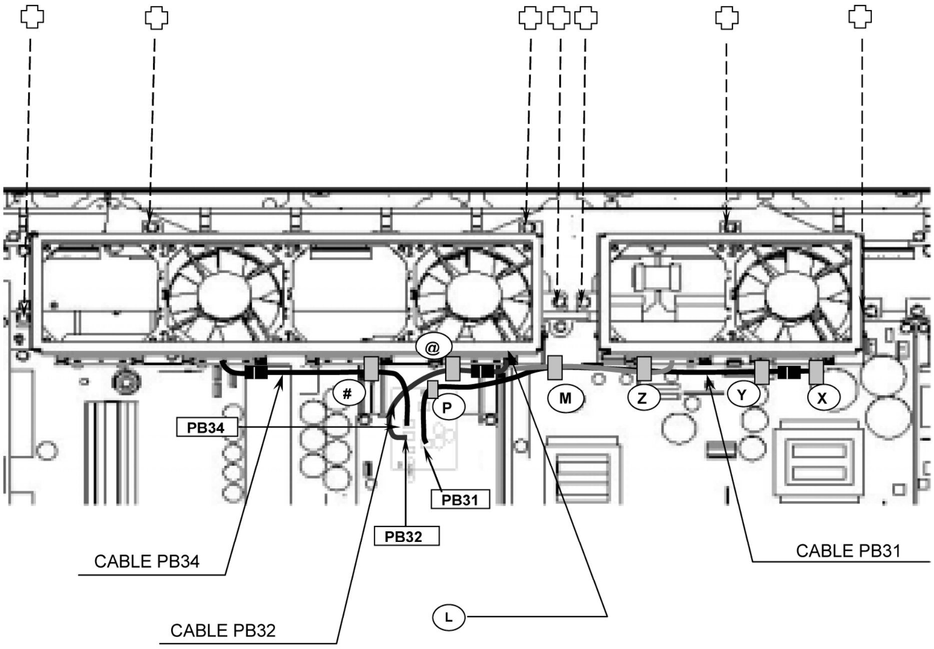

Q
R
SS23-C23
P12-SS12
SS12
SS11
P11-SS11


P11
P12
O
V
U
T
S
FAN-PB37
FAN

CONNECTOR	N	M	L	O	Q	R	S	T	U	V	P
P11-SS11					○		○	○	○		
P12-SS12					○		○	○	○	○	
SS23-C23						○					
FAN-PB37	○	○	○	○			○	○	○	○	○

8.4. Lead of Wiring (4)

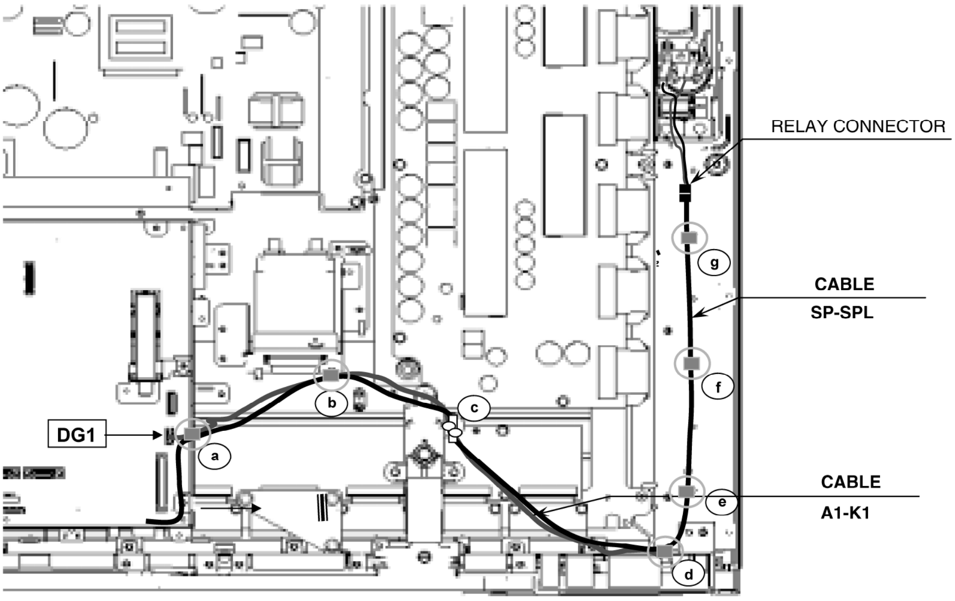
The wire is dressed as shown in figure.


@
#
P
M
Z
Y
X
PB34
PB31
PB32
CABLE PB34
CABLE PB31
CABLE PB32
L

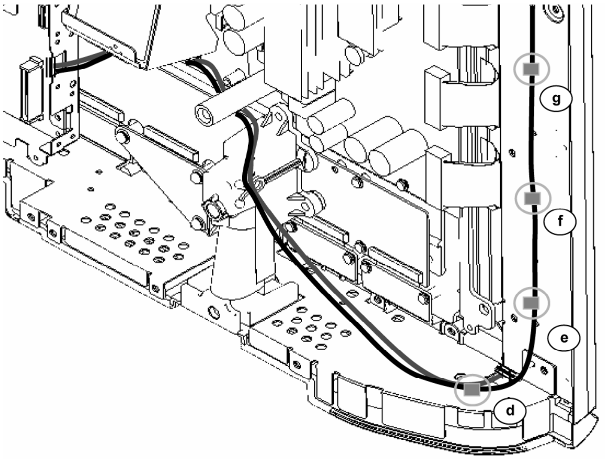
CONECTOR	X	Y	Z	@	#	M	L	P
VENT PB34					○			
VENT PB32				○				
VENT PB31	○	○	○			○	○	○
P25-D25			○					

8.5. Lead of Wiring (5)

The wire is dressed as shown in figure.

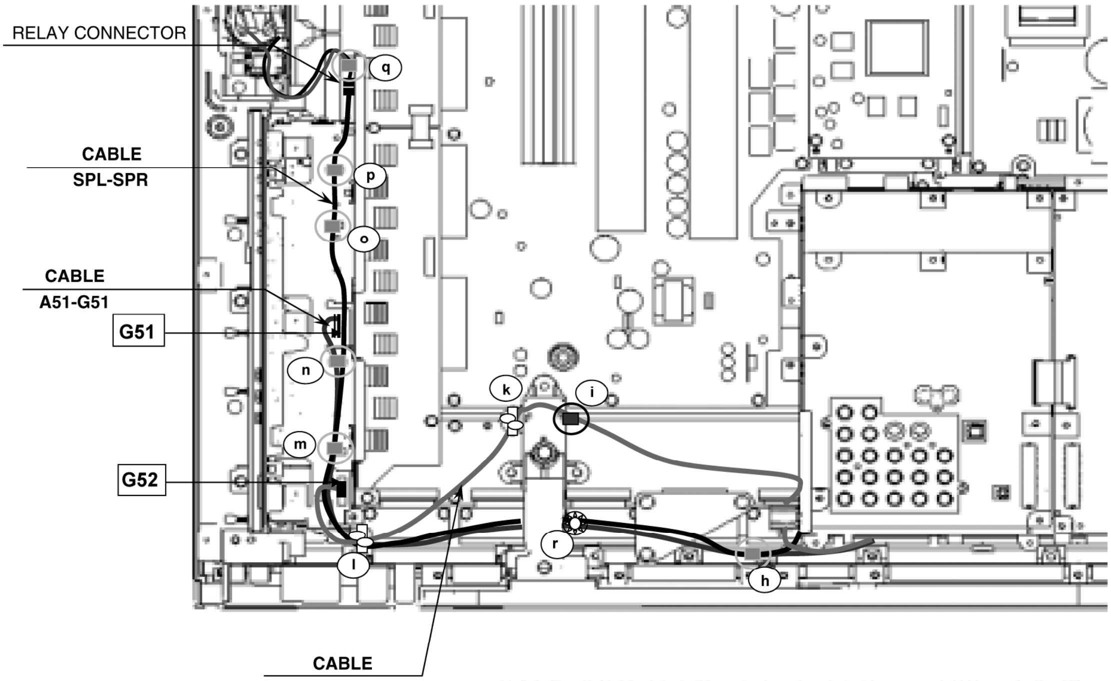

RELAY CONNECTOR
g
CABLE
SP-SPL
f
b
c
DG1
a
e
CABLE
A1-K1
d

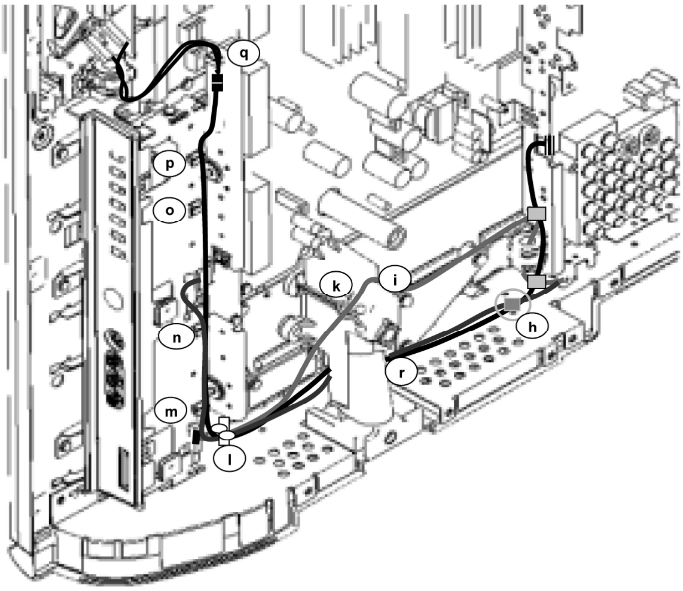
CONNECTOR	a	b	c	d	e	f	g
SP-SPL	○	○	○	○	○	○	○
A1-K1	○	○	○	○			



8.6. Lead of Wiring (6)

The wire is dressed as shown in figure.


RELAY CONNECTOR
CABLE
SPL-SPR
CABLE
A51-G51
G51
G52
CABLE
A52-G52
q
p
o
n
m
l
k
i
r
h


q
p
o
n
m
l
k
i
r
h

CONNECTOR	h	i	k	l	m	n	o	p	q	r
SP - SPR	○			○	○	○	○	○		
A51-G51	○			○	○	○				○
A52-G52		○	○							○
TXJSWRLHTU									○	

9 Self-check Function

Use the self-check function to test the unit.

1. Checking the IIC bus lines
2. Power LED Blinking timing

9.1. Check of the IIC bus lines

9.1.1. How to access

Self-check indication only:

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [OK] button on the remote control for more than 3 seconds.

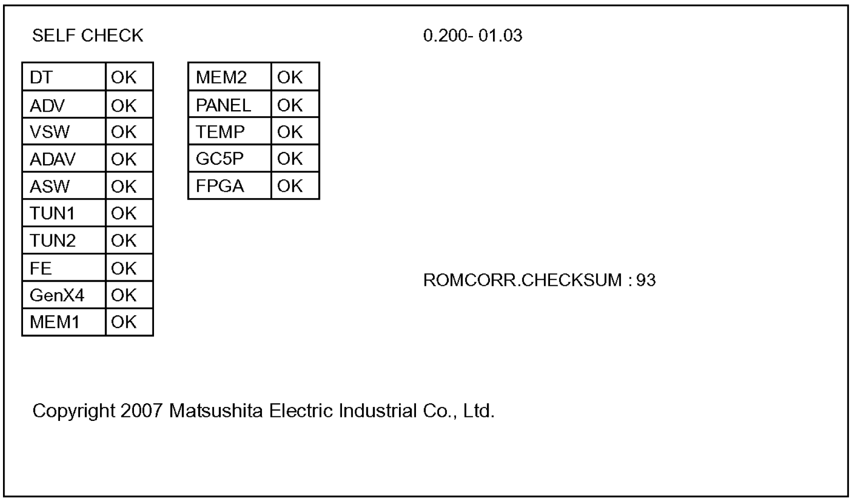
Self-check indication and forced to factory shipment setting:

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

9.1.2. Exit

Disconnect the AC cord from wall outlet.

9.1.3. Screen display



SELF CHECK

0.200- 01.03

DT	OK
ADV	OK
VSW	OK
ADAV	OK
ASW	OK
TUN1	OK
TUN2	OK
FE	OK
GenX4	OK
MEM1	OK

MEM2	OK
PANEL	OK
TEMP	OK
GC5P	OK
FPGA	OK

ROMCORR.CHECKSUM : 93

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9.1.4. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Ref. No.	Description	P.C.B.
DT	IC8001	Peaks Lite2	DG-Board
ADV	IC4510	A/D CONV. , HDMI RX	DG-Board
VSW	IC3001	VIDEO SW	H-Board
ADAV	IC2106	SOUND PROCESSOR	H-Board
ASW	IC3101	AUDIO SW	H-Board
TUN1	TU8300	TUNER (PLL block)	DG-Board
TUN2	TU8300	TUNER (MTS block)	DG-Board
FE	IC8302	Digital demodulator	DG-Board
GenX4	IC1100	GenX4 (STB MCU)	DG-Board
MEM1	IC1101	EEPROM (GenX4)	DG-Board
MEM2	IC8503	EEPROM (Peaks)	DG-Board
PANEL	IC9003	MICON	D-Board
TEMP	IC4054	TEMP SENSOR	DG-Board
GC5P	IC5100	GC5P	DG-Board
FPGA	IC5105	FPGA	DG-Board

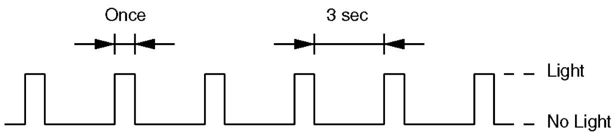
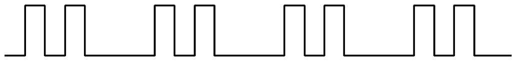
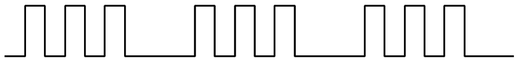
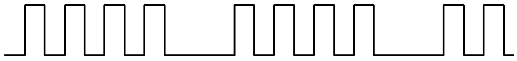
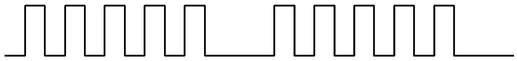
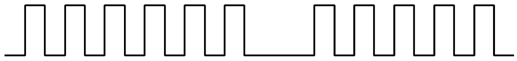
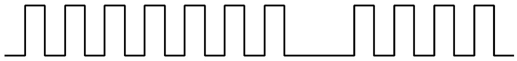
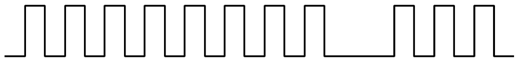
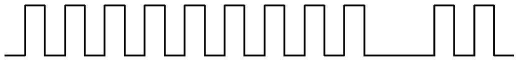
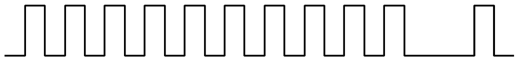
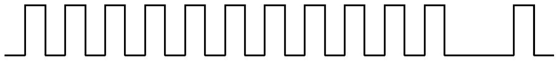
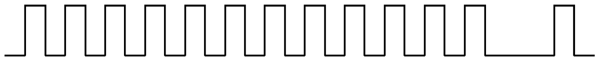
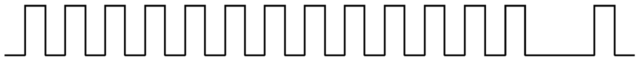
9.2. Power LED Blinking timing chart

1. Subject

   Information of LED Flashing timing chart.

2. Contents

   When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

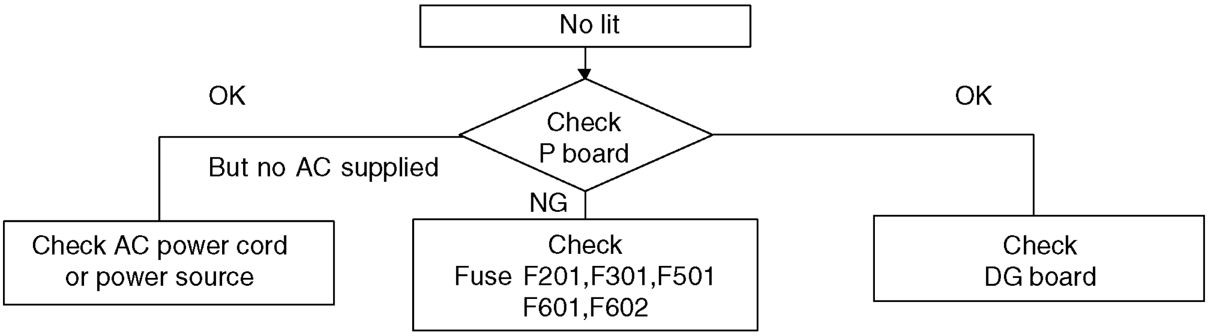
Blinking Times	Blinking timing	Contents	Check point
1		No particular check point	-
		Panel Status	-
		STB 5V SENSE Time out	DG-Board
2		15V SOS	D-Board
3		3.3V SOS	D-Board
4		Power SOS	P-Board
5		5V SOS	D-Board
6		Driver SOS1 (SC Energy recovery circuit)	SU-Board SD-Board SC-Board
7		Driver SOS2 (SC floating voltage area)	SU-Board SD-Board SC-Board
8		Driver SOS3 (SS Energy recovery circuit)	SS-Board
9		Panel Config SOS	-
10 (0a)		Sub 5V SOS Main 3.3V SOS DTV 9V SOS Tuner Power SOS	DG-Board
11 (0b)		Fan SOS	PB-Board
12 (0c)		Sound SOS	H-Board
13 (0d)		Communication Error with IC8001 (Pesks Lite 2)	DG-Board

9.3. No Power

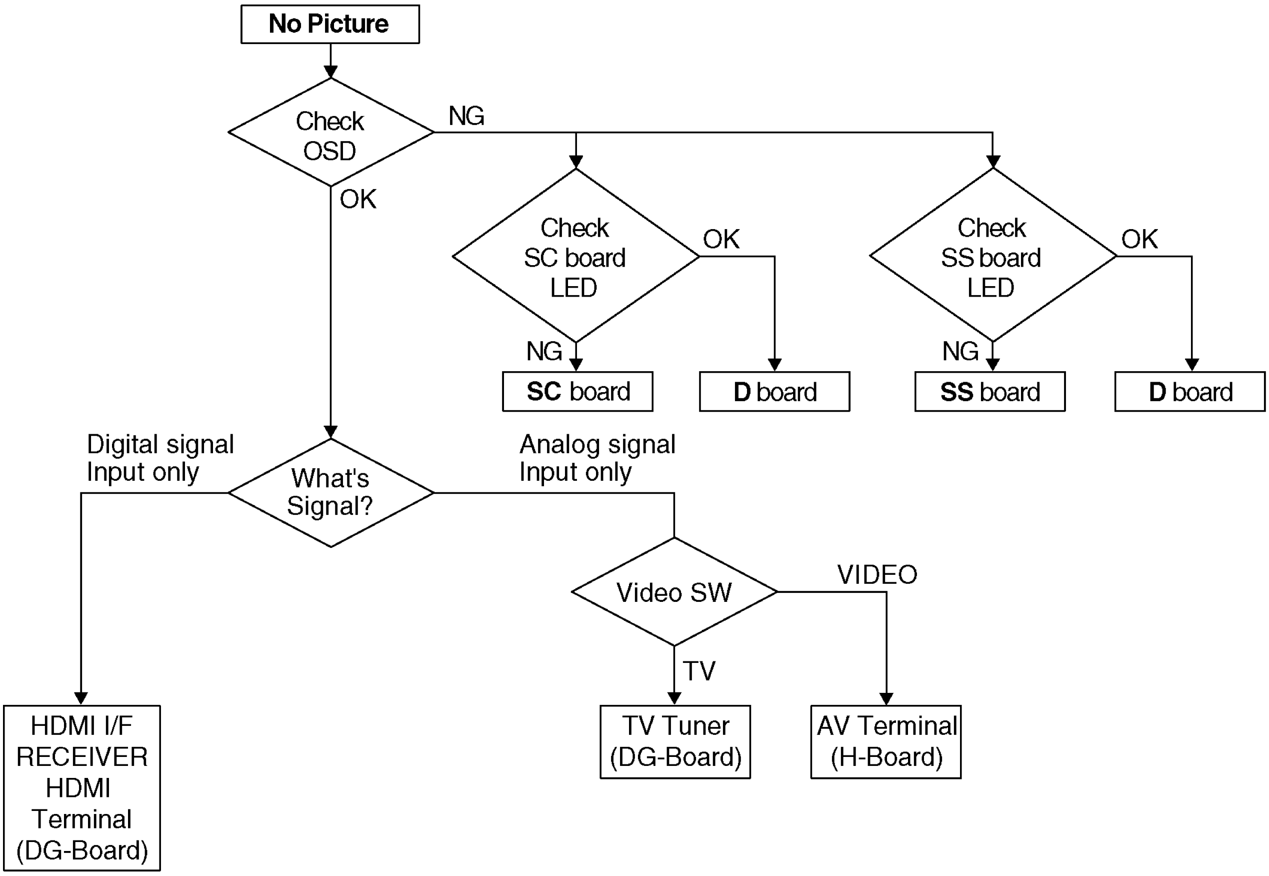
First check point

There are following 2 states of No Power indication by power LED.

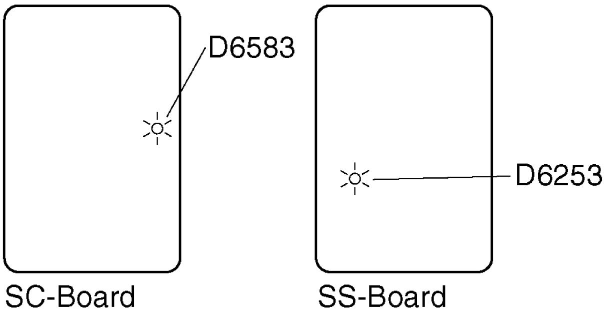
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 9.2.)


No lit
Check
P board
OK
But no AC supplied
Check AC power cord
or power source
NG
Check
Fuse F201,F301,F501
F601,F602
OK
Check
DG board

9.4. No Picture

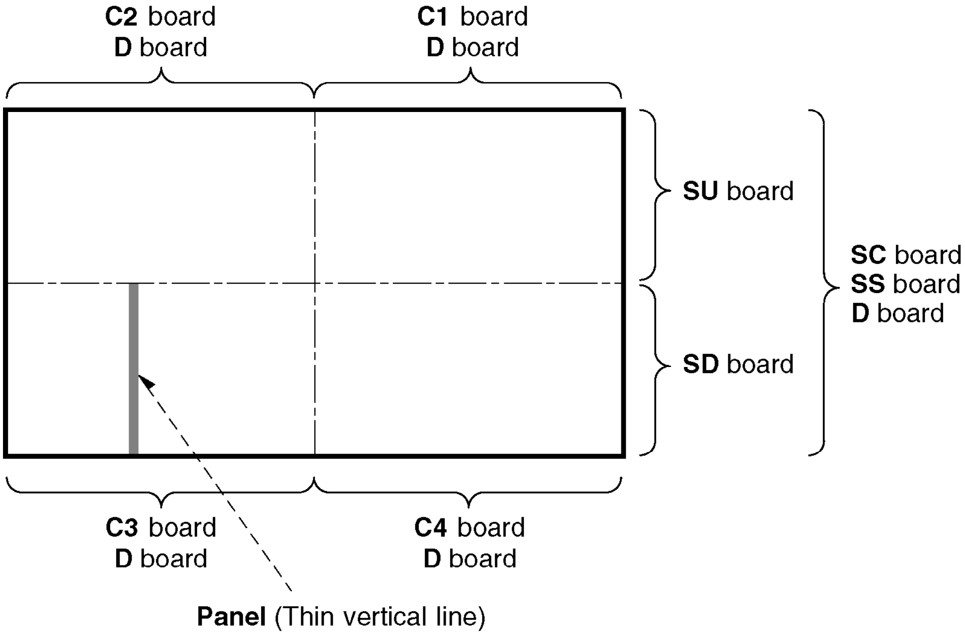

No Picture
Check OSD
NG
OK
Check SC board LED
OK
NG
SC board
D board
Check SS board LED
OK
NG
SS board
D board
Digital signal Input only
What's Signal?
Analog signal Input only
Video SW
VIDEO
TV
HDMI I/F RECEIVER HDMI Terminal (DG-Board)
TV Tuner (DG-Board)
AV Terminal (H-Board)

Drive circuits LED indicator


D6583
D6253
SC-Board
SS-Board

9.5. Local screen failure

Plasma display may have local area failure on the screen. Fig-1 is the possible defect P.C.B. for each local area.


C2 board
D board
C1 board
D board
SU board
SD board
SC board
SS board
D board
C3 board
D board
C4 board
D board
Panel (Thin vertical line)

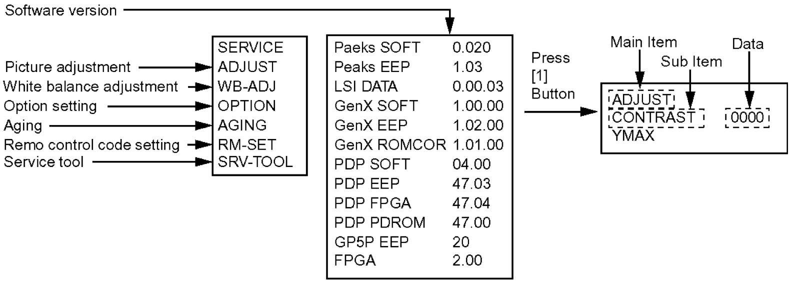
<Local screen failure chart>

Fig-1

10 Service Mode

10.1. How to enter into Service Mode

While pressing [VOLUME (-)] button of the main unit, press [RECALL] button of the remote control three times within 2 seconds.


Software version
Picture adjustment
White balance adjustment
Option setting
Aging
Remo control code setting
Service tool
SERVICE
ADJUST
WB-ADJ
OPTION
AGING
RM-SET
SRV-TOOL
Paeks SOFT 0.020
Peaks EEP 1.03
LSI DATA 0.00.03
GenX SOFT 1.00.00
GenX EEP 1.02.00
GenX ROMCOR 1.01.00
PDP SOFT 04.00
PDP EEP 47.03
PDP FPGA 47.04
PDP PDROM 47.00
GP5P EEP 20
FPGA 2.00
Press [1] Button
Main Item
Sub Item
Data
ADJUST
CONTRAST
0000
YMAX

10.1.1. Key command

“1” button...Main items Selection in forward direction

“2” button...Main items Selection in reverse direction

“3” button...Sub items Selection in forward direction

“4” button...Sub items Selection in reverse direction

“VOL” button...Value of sub items change in forward direction (+), in reverse direction (-)

10.1.2. Contents of adjustment mode

- Value is shown as a hexadecimal number.
- Preset value differs depending on models.
- After entering the adjustment mode, take note of the value in each item before starting adjustment.

Main item	Sub item	Sample Data	Remark
ADJUST	CONTRAST	000	
	COLOR	3F	
	TINT	03	
	SUB-BRT	800	
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	80	
	R-DRV	E6	
	G-DRV	F0	
	B-DRV	FC	
	ALL-CUT	80	
	ALL-DRV	FC	
OPTION	BOOT	ROM	Factory Preset
	STBY-SET	00	
	Emergency	OFF	
	CLK MODE	00	
	CLOCK	000	
AGING	RGBW		
	COUNT		
	ALL WHITE		
	ALL RED		
	ALL GREEN		
	ALL BLUE		
	ON/OFF		
	RAMP WHITE		
	RAMP RED		
	RAMP GREEN		
	RAMP BLUE		
	1% WINDOW		
	COLOR BAR		
	A-ZONE B-ZONE/4 TRIO		
	SCROLL		
	WHITE FLAME		
RM-SET	CODE	A	Fixed
SRV-TOOL	-		See next

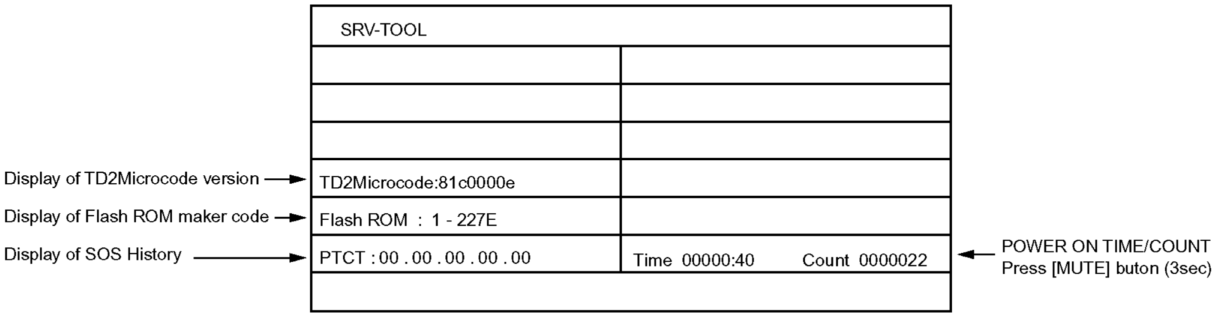
10.1.3. How to exit

Switch off the power with the [POWER] button on the main unit or the [POWER] button on the remote control.

10.2. Service tool mode

10.2.1. How to access

1. Select “SRV-TOOL” in Service Mode.
2. Press [OK] button on the remote control.



SRV-TOOL

TD2Microcode:81c0000e

Flash ROM : 1 - 227E

PTCT : 00 . 00 . 00 . 00 . 00

Time 00000:40 Count 0000022

Display of TD2Microcode version
Display of Flash ROM maker code
Display of SOS History
POWER ON TIME/COUNT
Press [MUTE] buton (3sec)

10.2.2. Display of SOS History

SOS History (Number of LED blinking) indication.

From left side; Last SOS, before Last, three occurrence before, 2nd occurrence after shipment, 1st occurrence after shipment.

This indication except 2nd and 1st occurrence after shipment will be cleared by “Self-check indication and forced to factory shipment setting”.

10.2.3. POWER ON TIME/COUNT **Note: To display TIME/COUNT menu, highlight position, then press MUTE for (3sec).**

Time : Cumulative power on time, indicated hour : minute by decimal

Count : Number of ON times by decimal

Note : This indication will not be cleared by either of the self-check or any other command.

10.2.4. Exit

1. Disconnect the AC cord from wall outlet.

11 Adjustment Procedure

11.1. Driver Set-up

11.1.1. Item / Preparation

1. Input a white signal to plasma video input.
2. Set the picture controls as follows.

   Picture menu: Vivid

   Normal: Set

   Aspect: Full

Caution

1. First perform Vsus adjustment.
2. Confirmation of Vscn voltage should be performed after confirmation of Vad adjustment.

   When Vad=-140V, Voltage of Vscn is 8V ±1V.

11.1.2. Adjustments

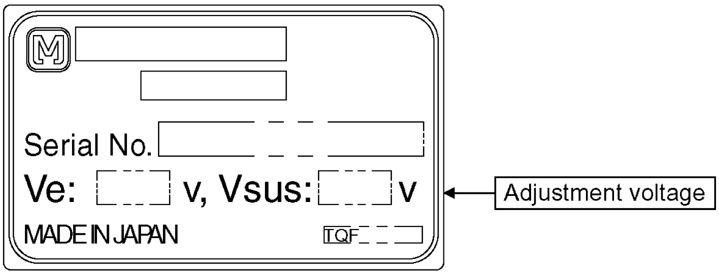
Adjust driver section voltages referring the panel data on the panel data label.

Check or adjust the following voltages with the multimeter.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	Vsus ± 2V	VR251 (P)	*
Ve	TPVE (SS)	Ve ± 1V	VR6000 (SS)	*
Vset	TPVSET (SC)	365V ± 7V	Fixed	
Vad	TPVAD (SC)	-140V ± 1V	VR6600 (SC)	
Vscn	TPVSCN (SC)	Vad+148V ± 1V	VR6841 (SC)	
Vda	TPVDA (SS)	75V + 1V, -2V	Fixed	

*See the Panel label.

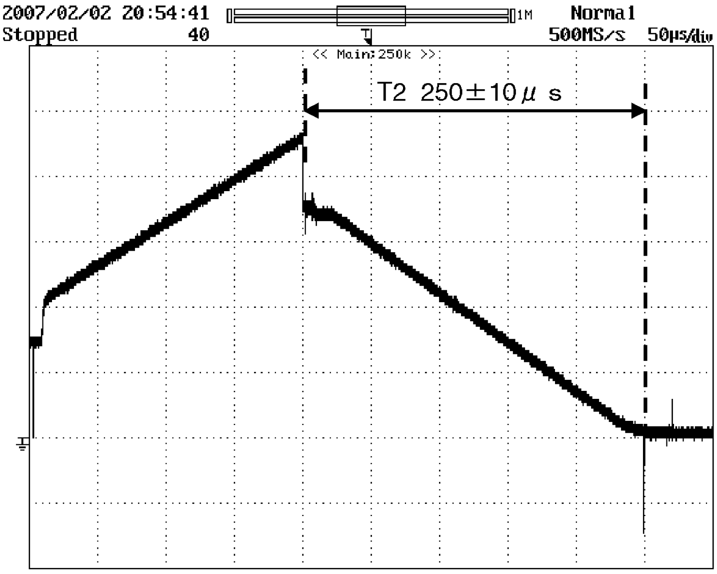
Panel Label information



11.2. Initialization Pulse Adjust

1. Input the White signal to plasma video input.
2. Set the picture controls as follows.
   Picture menu : Vivid
   Normal : Set
   Aspect : Full
3. Connect Oscilloscope to TPSC1 (SC).
   Check and adjust that the stand down pulse(T2) period are each within specification.

	Test point	Volume	Level
T2	TPSC1 (SC)	VR6602 (SC)	250 ± 10μ Sec



11.3. P.C.B. (Printed Circuit Board) exchange

11.3.1. Caution

1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

11.3.2. Quick adjustment after P.C.B. exchange

Adjust the following voltages with the multimeter.

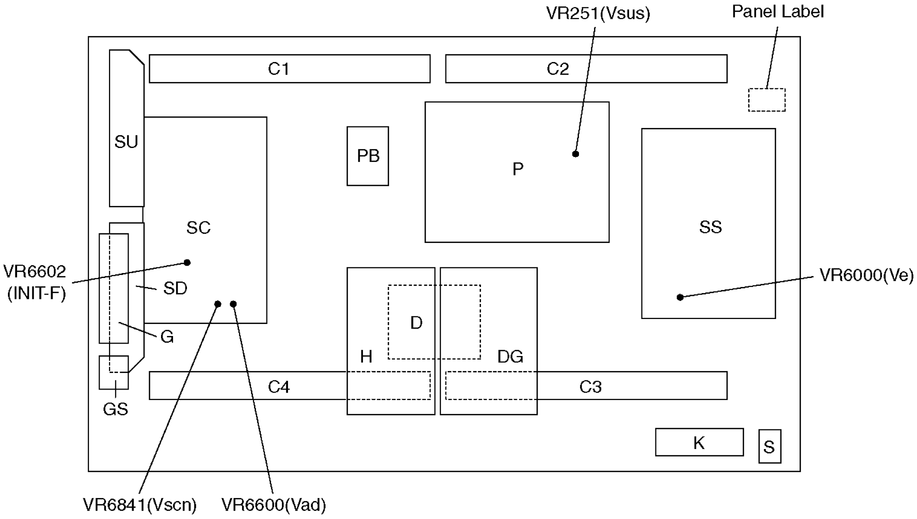
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	Vsus ± 2V	VR251 (P)	*
SC Board	Vad	TPVAD (SC)	-140V ± 1V	VR6600 (SC)	
	Vscn	TPVSCN (SC)	Vad + 148V ± 1V	VR6841 (SC)	
SS Board	Ve	TPVE (SS)	Ve ± 1V	VR6000 (SS)	*
D, DG Board	White balance and Sub brightness for NTSC, PAL, HD, PC and 625i signals				

*See the Panel label.

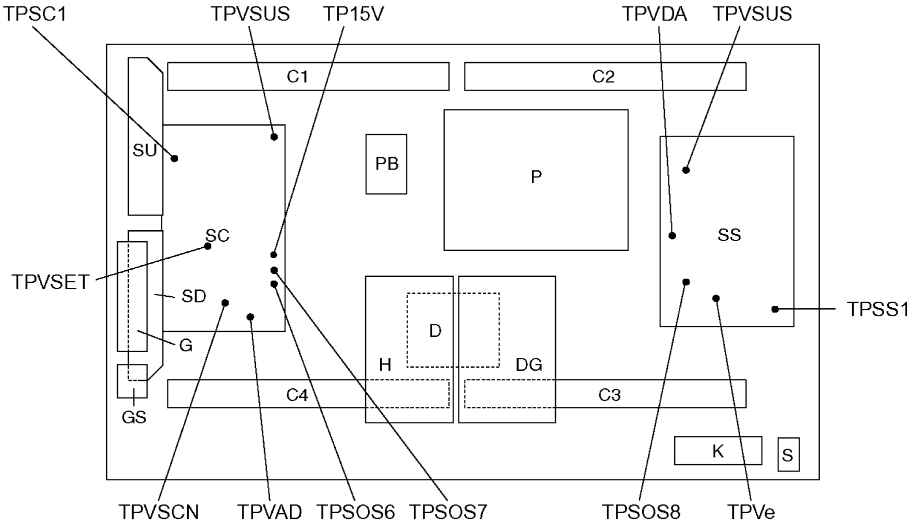
Caution:

Absolutely do not reduce Vsus below Ve not to damage the P.C.B.

11.4. Adjustment Volume Location


VR251(Vsus)
Panel Label
C1
C2
SU
PB
P
SC
SS
VR6602
(INIT-F)
SD
G
D
H
DG
VR6000(Ve)
C4
C3
GS
K
S
VR6841(Vscn)
VR6600(Vad)

11.5. Test Point Location


TPSC1
TPVSUS
TP15V
TPVDA
TPVSUS
C1
C2
SU
PB
P
SC
SS
TPVSET
SD
TPSS1
G
D
H
DG
C4
C3
GS
K
S
TPVSCN
TPVAD
TPSOS6
TPSOS7
TPSOS8
TPVe

12 White Balance Adjustment

12.1. White balance adjustment

Name of measuring instrument	Connection	Remarks
・W/B pattern ・Color analyzer (Minolta CA-100 or equivalent)	Component input Panel surface	

Procedure	Remarks
・Ensure aging is adequate. ・Make sure the front panel to be used on the final set is fitted. ・Make sure a color signal is not being shown before adjustment. ・Put the color analyzer where there is little color variation. 1. Output a white balance pattern. 2. Check that the color temperature is “Cool”. 3. Set to serviceman mode, WB-ADJ. 4. Set “R-CUT” “G-CUT” “B-CUT” the values written in table 1. 5. Attach the sensor of color analyzer to he center of highlight window. 6. Fix G drive at C0h and adjust “B-DRV” and “R-DRV” so x, y value of color analyzer become the “Color temperature High” in table 2. 7. Increase RGB together so the maximum drive value in RGB becomes FCh. That is, set “ALL DRIVE” to FCh. 8. Set color temperature to “Normal”. 9. Set “R-CUT” “G-CUT” “B-CUT” the values written in table 1. 10. Attach the sensor of color analyzer to the center of highlight window. 11. Fix G drive at C0h and adjust “B-DRV” and “R-DRV” so x, y value of color analyzer become the “Color temperature Mid” in table 2. 12. Increase RGB together so the maximum drive value in RGB becomes FCh. That is, set “ALL DRIVE” to FCh. 13. Set color temperature to “Warm”. 14. Set “R-CUT” “G-CUT” “B-CUT” the values written in table 1. 15. Attach the sensor of color analyzer to the center of highlight window. 16. Fix G drive at C0h and adjust “B-DRV” and “R-DRV” so x, y value of color analyzer become the “Color temperature Low” in table 2. 17. Increase RGB together so the maximum drive value in RGB becomes FCh. That is, set “ALL DRIVE” to FCh. 18. Set color temperature to “Cool”. [adjustment of “Normal” “Warm” by data shift from “Cool” adjust.] For “Normal” “Warm” adjustment, set values that the adjusted value of “Cool” plus the figures wrote below. 19. Copy values adjusted by HD pattern to the NTSC data area of EEPROM. Normal : R-DRV : 0h G-DRV : -2h B-DRV : -22h Warm : R-DRV : 0h G-DRV : -Ah B-DRV : -62h	

Table 1: R-CUT,G-CUT,B-CUT setting data

Color temperature	R-CUT	G-CUT	B-CUT
High(Cool)	80	80	80
Mid	80	80	80
Low(Warm)	80	80	80

Table 2: W/B adjustment values

Color temperature	x	y
High(Cool)	0.276	0.276
Mid	0.288	0.296
Low(Warm)	0.313	0.329

Table 3: EEPROM data addresses

SD/ Color temperature High	R-CUTOFF	0240
	G-CUTOFF	0241
	B-CUTOFF	0242
	R-DRIVE	0243
	G-DRIVE	0244
	B-DRIVE	0245
SD/ Color temperature Mid	R-CUTOFF	0246
	G-CUTOFF	0247
	B-CUTOFF	0248
	R-DRIVE	0249
	G-DRIVE	024A
	B-DRIVE	024B
SD/ Color temperature Low	R-CUTOFF	024C
	G-CUTOFF	024D
	B-CUTOFF	024E
	R-DRIVE	024F
	G-DRIVE	0250
	B-DRIVE	0251
HD/ Color temperature High	R-CUTOFF	0252
	G-CUTOFF	0253
	B-CUTOFF	0254
	R-DRIVE	0255
	G-DRIVE	0256
	B-DRIVE	0257
HD/ Color temperature Mid	R-CUTOFF	0258
	G-CUTOFF	0259
	B-CUTOFF	025A
	R-DRIVE	025B
	G-DRIVE	025C
	B-DRIVE	025D
HD/ Color temperature Low	R-CUTOFF	025E
	G-CUTOFF	025F
	B-CUTOFF	0260
	R-DRIVE	0261
	G-DRIVE	0262
	B-DRIVE	0263

13 Hotel mode

1. Purpose

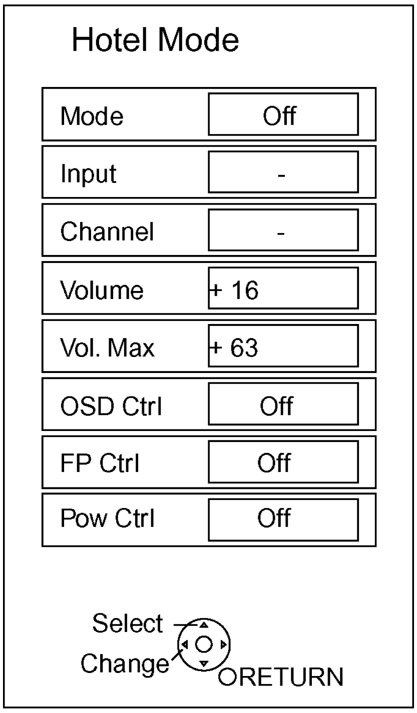
   Restrict a function for hotels.

2. Access command to the Hotel mode setup menu

   In order to display the Hotel mode setup menu, please enter the following command **(within 2 second)**.

   [TV] : Vol. “Down” + [REMOTE] : TV/VIDEO (3 times)

   Then, the Hotel mode setup menu is displayed.



Hotel Mode

Mode Off

Input -

Channel -

Volume + 16

Vol. Max + 63

OSD Ctrl Off

FP Ctrl Off

Pow Ctrl Off

3. To exit the Hotel mode setup menu

   Disconnect AC power cord from wall outlet.

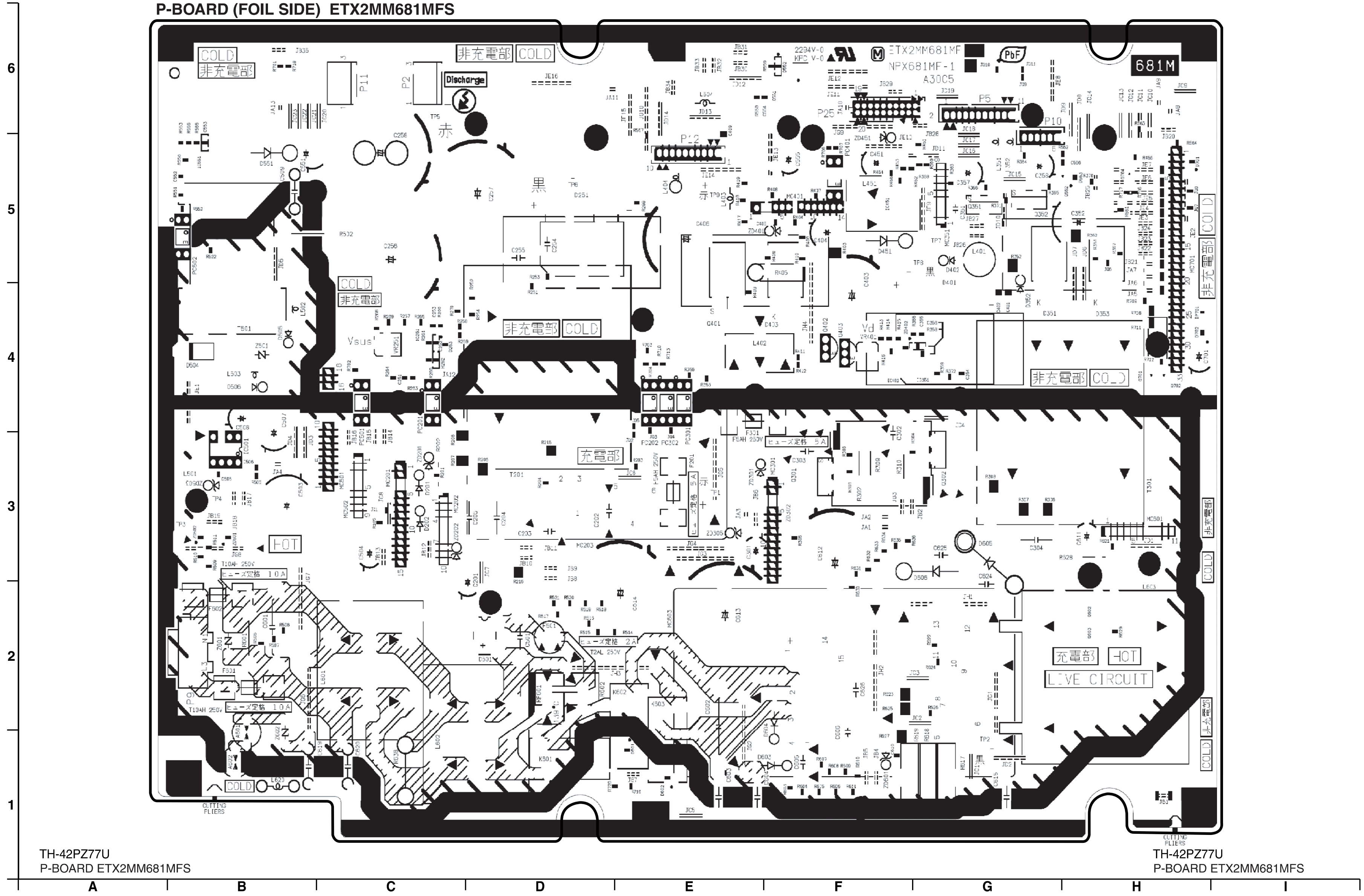
4. Explain the Hotel mode setup menu

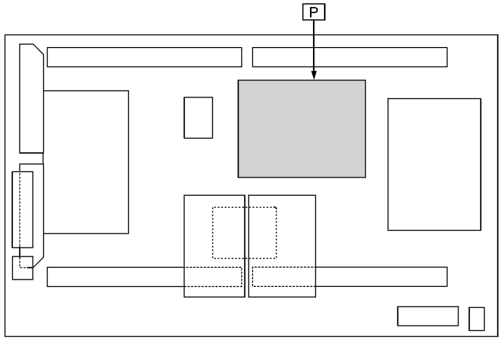
item	Function
Mode	Select hotel mode ON/OFF
Input	Select input signal modes. Set the input, when each time power is switched on. Selection: -/RF/COMP1/COMP2/HDMI1/HDMI2/ VIDEO1/VIDEO2/VIDEO3 ・Off: give priority to a last memory.
Channel	Select channel when input signal is RF. Set the channel, each time power is switched on. Selection: Any channel number or “-”. “-” means the channel when turns off.
Volume	Adjust the volume when each time power is switched on. Range: 0 to 63
Vol. Max	Adjust maximum volume. Range: 0 to 63
OSD Ctrl	Restrict the OSD. Selection: OFF/PATTERN1 ・OFF: No restriction ・PATTERN1: restriction
FP Ctrl	Select front key conditions. Selection: Off/Pattern1/All ・Off: altogether valid. ・Pattern: only input key is valid. ・All: altogether invalid.
Pow Ctrl	Select POWER-ON/OFF condition when AC power cord is disconnected and then connected. OFF: The same condition when AC power cord is disconnected. ON: Forced power ON condition.

14 Conductor Views

14.1. P-Board

P-BOARD (FOIL SIDE) ETX2MM681MFS


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
COLD
非充電部
Discharge
HOT
充電部
LIVE CIRCUIT
681M
ETX2MM681MF
NPX681MF-1
A30C5
CUTTING PLIERS
TH-42PZ77U
P-BOARD ETX2MM681MFS
TH-42PZ77U
P-BOARD ETX2MM681MFS



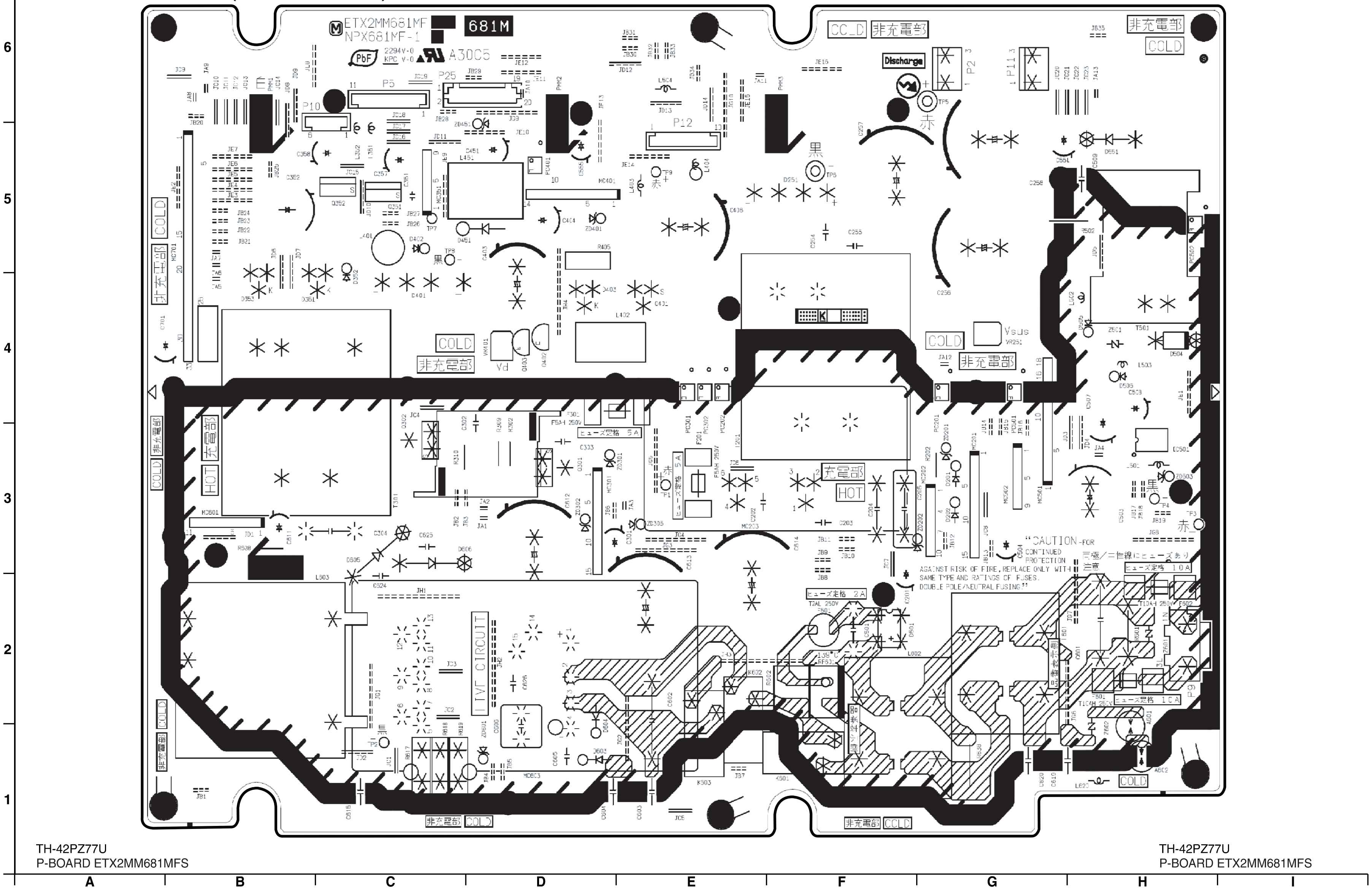
Parts Location

P-BOARD (FOIL SIDE)					
IC		**TRANSISTOR**		**PHOTO COUPLER**	
IC251	C-4	Q301	F-3	PC201	C-4
IC351	G-4	Q302	G-3	PC202	E-4
IC401	F-4	Q351	G-5	PC301	E-4
IC451	F-5	Q352	G-5	PC302	E-4
IC501	B-3	Q401	E-4	PC401	F-5
IC551	B-5	Q402	F-4	PC501	C-4
MODULE		Q403	F-4	PC502	B-5
		Q551	F-6	**VOLUME**	
MC201	C-3	Q552	H-5	VR251	C-3
MC202	C-3	Q602	H-2	VR401	F-4
MC203	D-3	Q603	H-2		
MC301	F-3	Q701	H-4		
MC351	G-5	Q702	H-4		
MC401	F-5	Q704	H-5		
MC501	C-3				
MC502	C-3				
MC601	H-3				
MC603	E-2				
MC701	H-5				

Parts Location

P-BOARD (COMPONENT SIDE)					
IC		**TRANSISTOR**		**PHOTO COUPLER**	
IC501	H-3	Q301	D-3	PC201	G-4
MODULE		Q302	C-3	PC202	E-4
MC201	G-3	Q351	C-5	PC301	E-4
MC202	G-3	Q352	C-5	PC302	E-4
MC203	E-3	Q402	D-4	PC401	D-5
MC301	D-3	Q403	D-4	PC501	G-4
MC351	C-5			PC502	H-5
MC401	D-5			**VOLUME**	
MC501	G-3			VR251	G-4
MC502	G-3			VR401	D-4
MC601	B-3				
MC603	D-1				
MC701	B-5				

P-BOARD (COMPONENT SIDE) ETX2MM681MFS


ETX2MM681MF
NPX681MF-1
681M
PbF
A30C5
CC_D
非充電部
COLD
HOT
充電部
Discharge
P2
P11
P5
P10
P25
P12
TP5
TP6
TP7
TP8
TP9
赤
黒
Vsus
Vd
LIVE CIRCUIT
"CAUTION-FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS OF FUSES. DOUBLE POLE/NEUTRAL FUSING"
ヒューズ定格 5A
ヒューズ定格 2A
ヒューズ定格 10A
F5AH 250V
T2AL 250V
T10AH 250V
F601
F301
F401
T301
T501
L402
L451
L803
MC301
MC401
MC501
MC701
MC801
TH-42PZ77U
P-BOARD ETX2MM681MFS
A
B
C
D
E
F
G
H
I
1
2
3
4
5
6

14.2. PB-Board

6

5

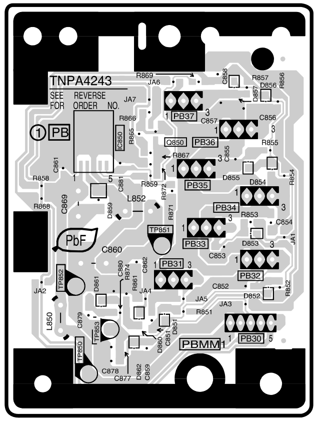
4

3

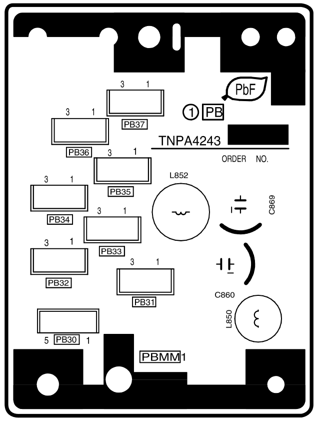
2

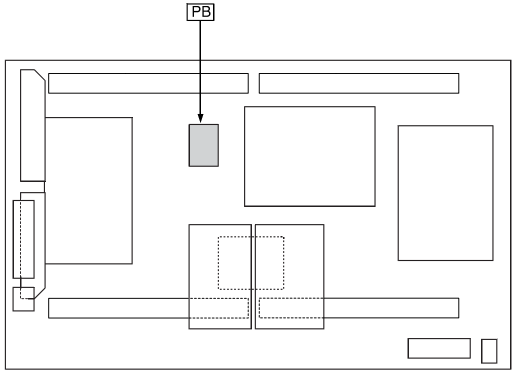
1

PB-BOARD (FOIL SIDE)
TNPA4243AES


TNPA4243
SEE FOR REVERSE ORDER NO.
① PB
PbF
R869
JA6
C858
R857
D856
R856
D857
JA7
PB37
R866
C857
C856
PB36
R865
IC850
Q850
R855
R867
C855
R861
PB35
D855
D854
R854
C881
R859
R872
R858
R868
C869
D859
L852
R871
PB34
R853
C854
TP851
PB33
JA1
D853
C853
C860
C880
R874
C862
PB31
PB32
TP852
D861
R861
JA4
C852
R852
JA2
D852
JA5
JA3
R851
L850
C879
TP853
C851
D851
D860
PBMM
PB30
TP850
C878
C877
D862
C859
1
3
5

PB-BOARD (COMPONENT SIDE)
TNPA4243AES

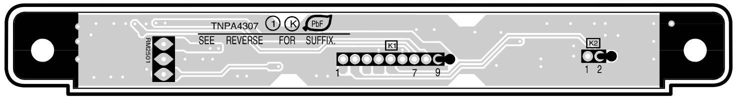

PbF
① PB
TNPA4243
ORDER NO.
PB37
PB36
PB35
PB34
PB33
PB32
PB31
PB30
PBMM
L852
C869
C860
L850
1
3
5



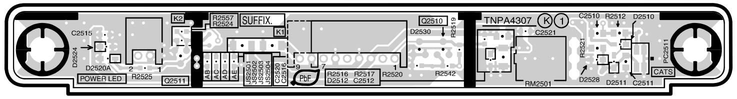
A B C D E F G H I

14.3. G,GS,K and S-Board

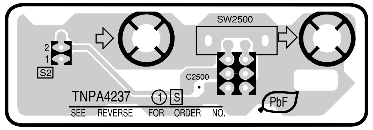
K-BOARD (FOIL SIDE)
TNPA4307S


TNPA4307 ① K
SEE REVERSE FOR SUFFIX.
RM2501
K1
K2
1 7 9
1 2
PbF

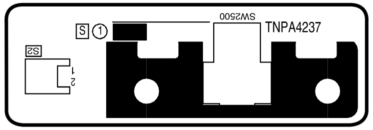
K-BOARD (COMPONENT SIDE)
TNPA4307S

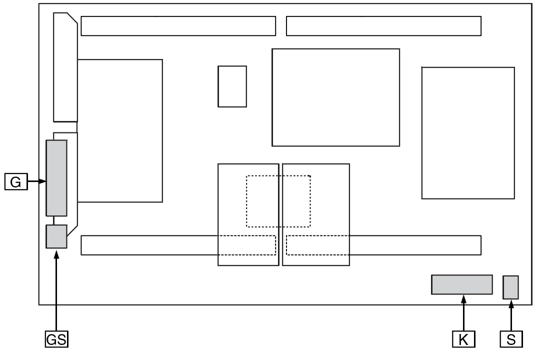

TNPA4307 K ①
SUFFIX.
K1
K2
C2515
D2524
D2520A
POWER LED
R2525
Q2511
R2557
R2524
R2516 R2517 R2520
D2512 C2512
Q2510
D2530
R2519
R2542
C2510 R2512 D2510
C2521
R2521
RM2501
D2528 D2511 C2511
PC2511
CATS
PbF

S-BOARD (FOIL SIDE)
TNPA4237S

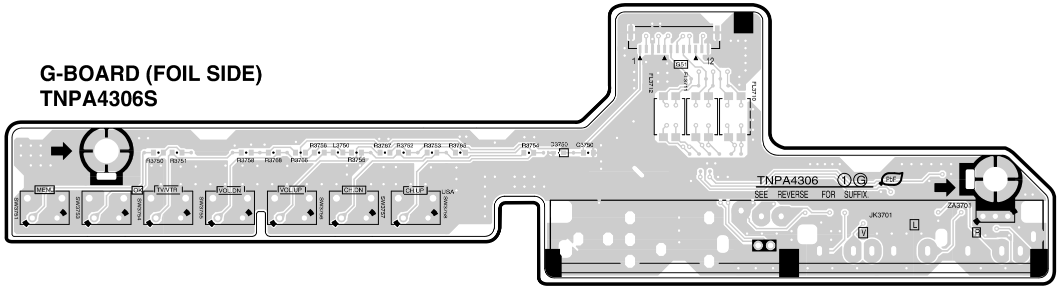

SW2500
S2
C2500
TNPA4237 ① S
SEE REVERSE FOR ORDER NO.
PbF

S-BOARD (COMPONENT SIDE)
TNPA4237S

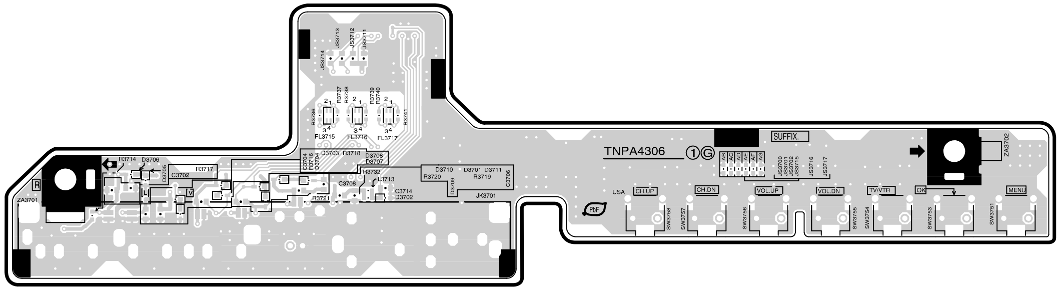

S ①
SW2500
TNPA4237
S2



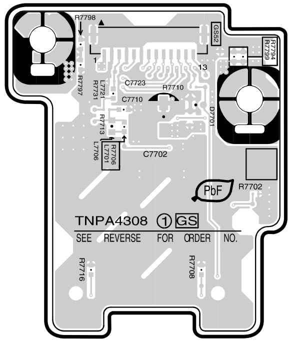
G-BOARD (FOIL SIDE)
TNPA4306S


TNPA4306 ① G
SEE REVERSE FOR SUFFIX.
MENU
OK
TV/VTR
VOL DN
VOL UP
CH DN
CH UP
USA
FL3710
FL3711
FL3712
GS1
12
JK3701
ZA3701
V
L
R
PbF

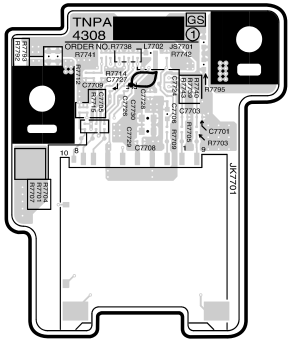
G-BOARD (COMPONENT SIDE)
TNPA4306S


TNPA4306 ① G
SUFFIX.
ZA3701
ZA3702
FL3715
FL3716
FL3717
JK3701
USA
CH UP
CH DN
VOL UP
VOL DN
TV/VTR
OK
MENU
PbF

GS-BOARD (FOIL SIDE)
TNPA4308S


TNPA4308 ① GS
SEE REVERSE FOR ORDER NO.
GS2
R7798
D7701
C7723
R7710
C7710
C7702
R7702
R7716
R7708
13
PbF

GS-BOARD (COMPONENT SIDE)
TNPA4308S


TNPA 4308
GS ①
ORDER NO.
JK7701
R7795
C7701
R7703
C7708
10 8
1 9

TH-42PZ77U
G-BOARD TNPA4306S GS-BOARD TNPA4308S
K-BOARD TNPA4307S S-BOARD TNPA4237S

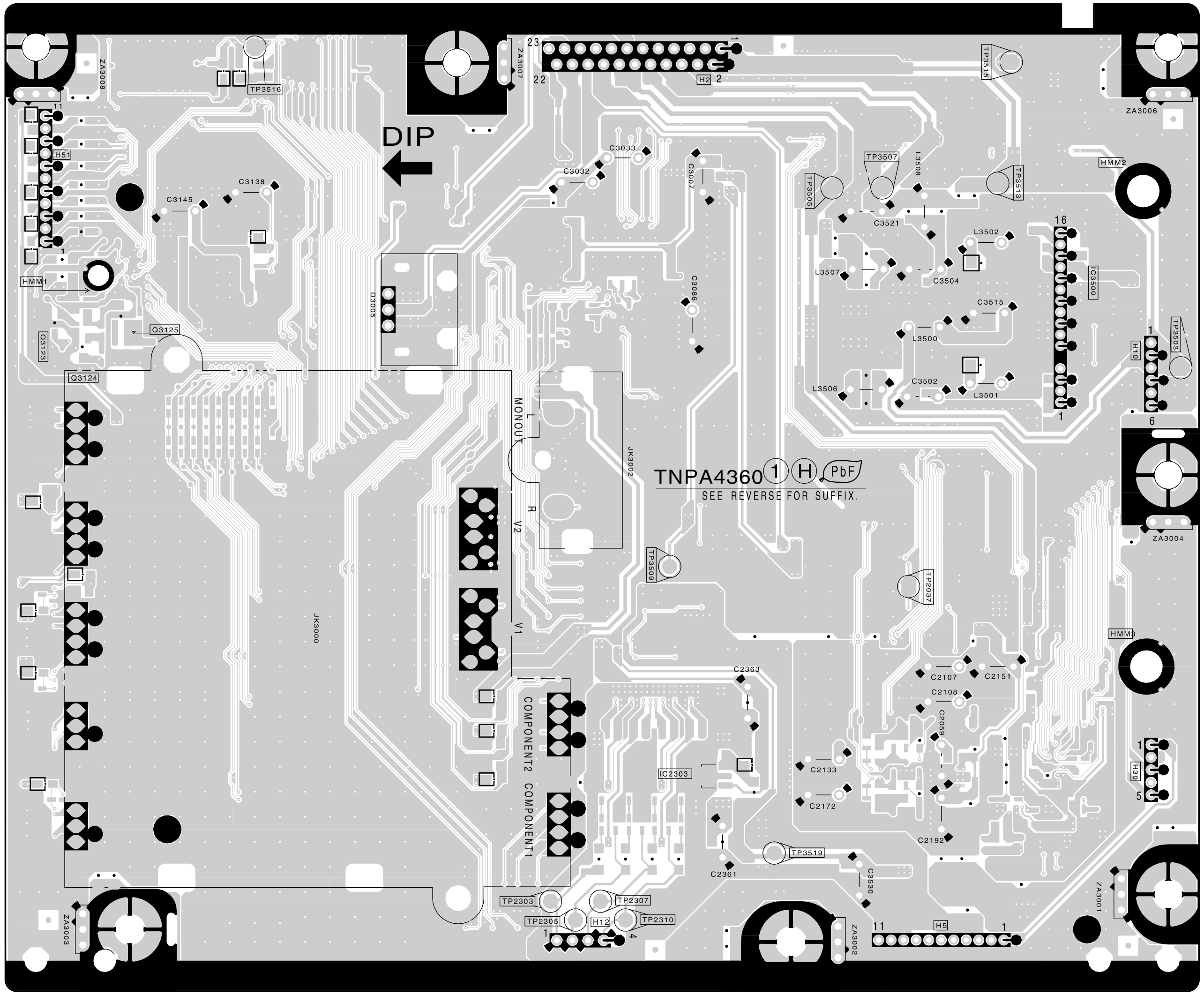
TH-42PZ77U
G-BOARD TNPA4306S GS-BOARD TNPA4308S
K-BOARD TNPA4307S S-BOARD TNPA4237S

6 5 4 3 2 1

A B C D E F G H I

14.4. H-Board

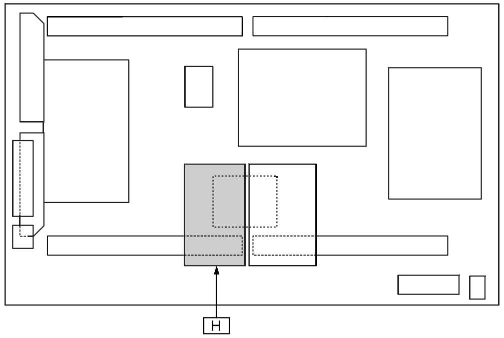
H-BOARD (FOIL SIDE)
TNPA4360S


TNPA4360 ① Ⓗ PbF
SEE REVERSE FOR SUFFIX.
DIP
ZA3008
ZA3007
ZA3006
ZA3004
ZA3001
ZA3002
ZA3003
H51
H2
H10
H30
H5
H12
HMM1
HMM2
HMM3
TP3516
TP3515
TP3513
TP3507
TP3505
TP3503
TP3509
TP2037
TP3519
TP2303
TP2305
TP2307
TP2310
Q3123
Q3124
Q3125
C3145
C3138
C3032
C3033
C3007
C3086
C3521
C3504
C3515
C3502
C3530
C2363
C2361
C2107
C2108
C2151
C2059
C2133
C2172
C2192
L3508
L3507
L3502
L3500
L3506
L3501
IC3500
IC2303
D3005
JK3000
JK3002
MONOUT
L
R
V2
V1
COMPONENT2
COMPONENT1
1
2
4
5
6
11
16
22
23

6
5
4
3
2
1
A
B
C
D
E
F
G
H
I

TH-42PZ77U
H-BOARD TNPA4360S

TH-42PZ77U
H-BOARD TNPA4360S



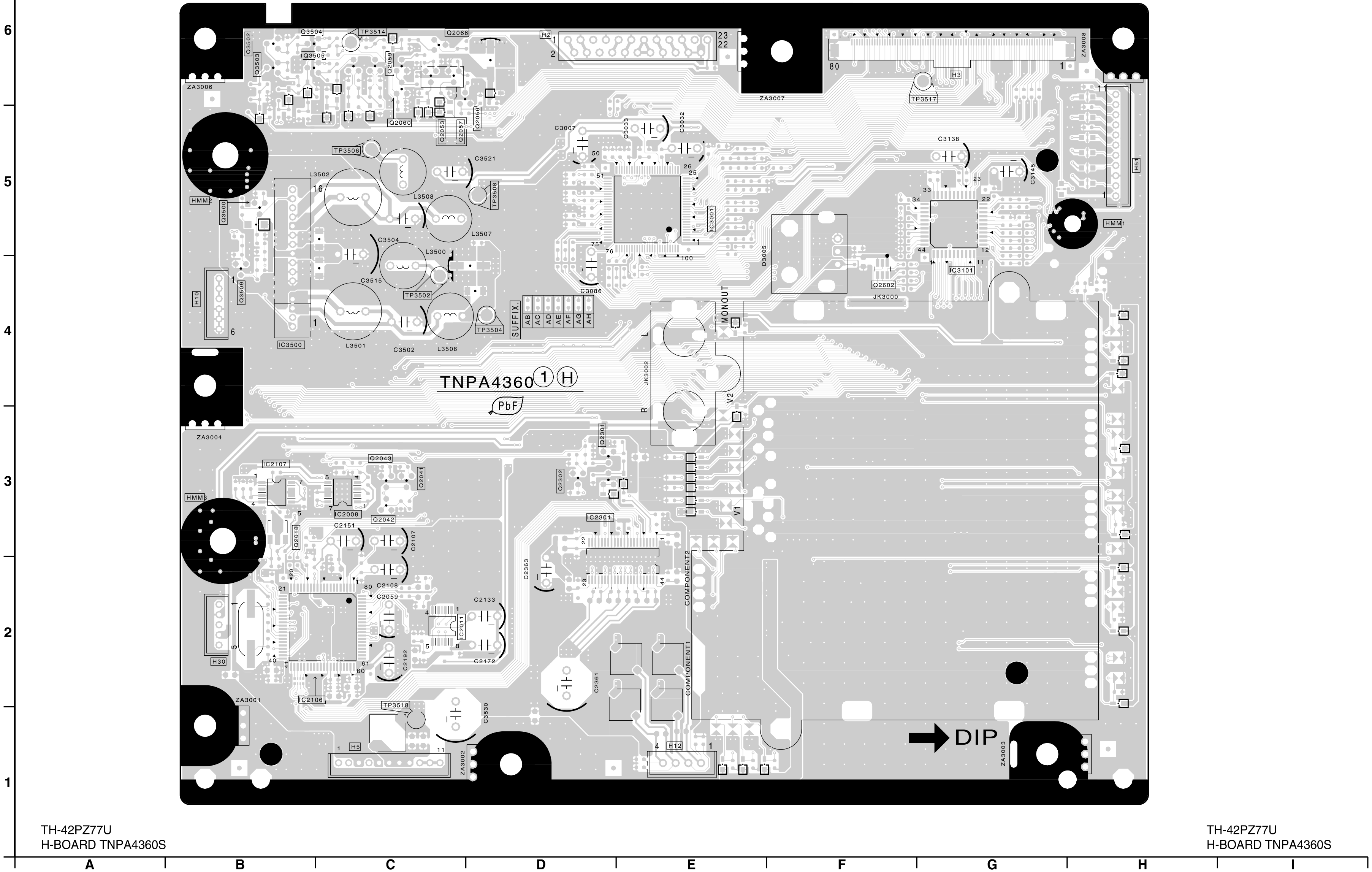
Parts Location

H-BOARD (FOIL SIDE)					
IC		TRANSISTOR		TP	
IC2303	E-2	Q3123	B-4	TP2037	G-3
IC3500	G-5	Q3124	B-4	TP2303	D-1
		Q3125	B-4	TP2305	E-1
				TP2307	E-1
				TP2310	E-1
				TP3503	H-4
				TP3505	F-5
				TP3507	F-5
				TP3509	E-3
				TP3513	G-5
				TP3515	G-6
				TP3516	C-6
				TP3516	C-6
				TP3519	F-2

Parts Location

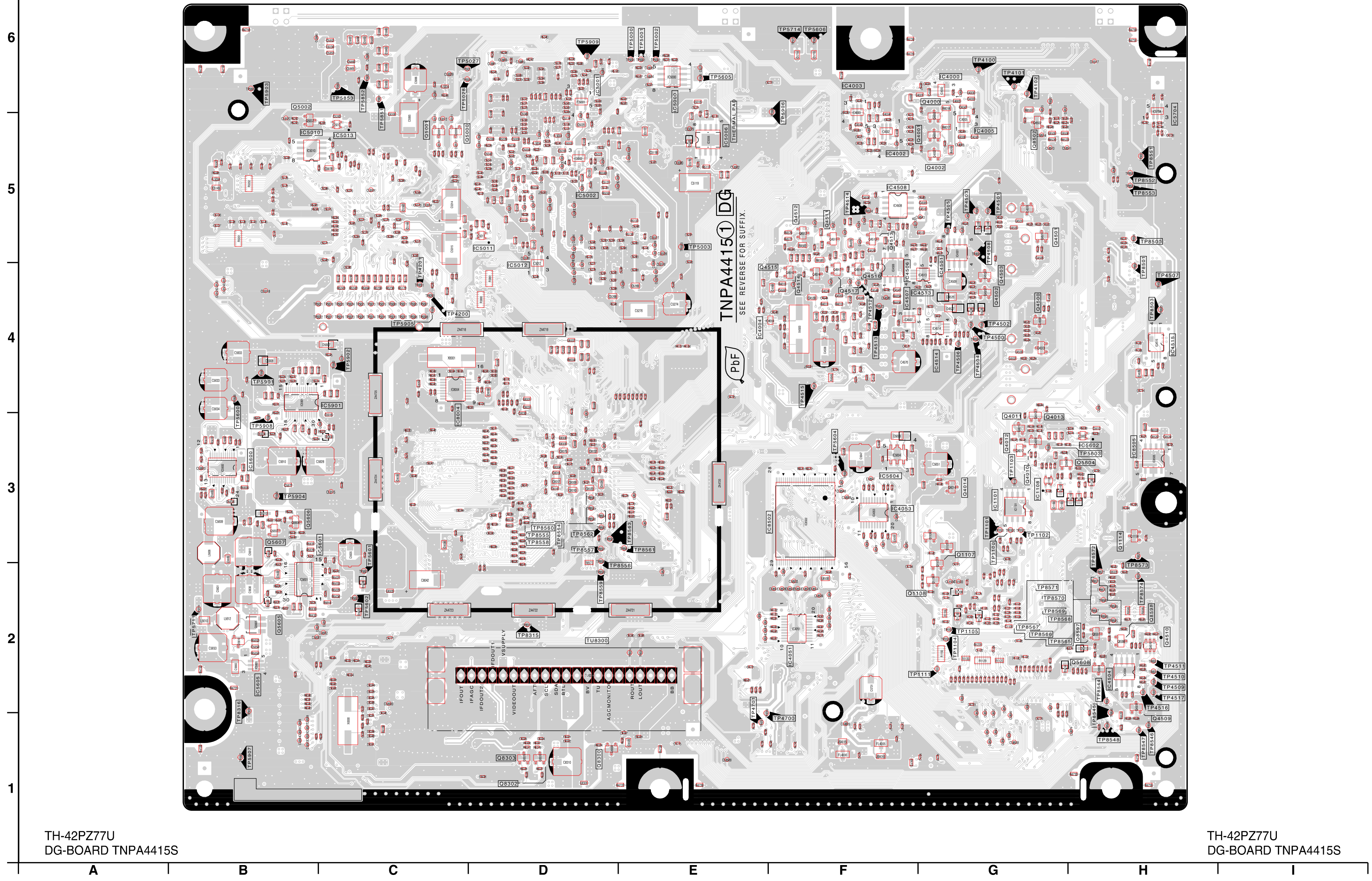
H-BOARD (COMPONENT SIDE)					
IC		TRANSISTOR		TP	
IC2008	C-3	Q2018	B-3	TP3502	C-4
IC2011	C-2	Q2041	C-3	TP3504	D-4
IC2106	B-2	Q2042	C-3	TP3506	C-5
IC2107	B-3	Q2043	C-3	TP3508	D-5
IC2301	D-3	Q2053	C-5	TP3514	C-6
IC3001	E-5	Q2056	C-5	TP3517	G-6
IC3101	G-4	Q2057	C-5	TP3518	C-1
IC3500	B-4	Q2059	C-6		
		Q2060	C-5		
		Q2066	C-6		
		Q2301	D-3		
		Q2302	D-3		
		Q2602	F-4		
		Q3500	B-5		
		Q3502	B-6		
		Q3503	B-6		
		Q3504	B-6		
		Q3505	B-6		
		Q3509	B-4		

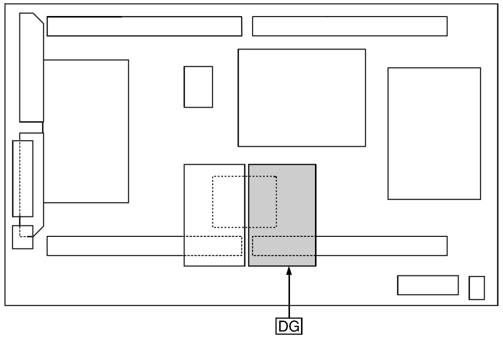
H-BOARD (COMPONENT SIDE)
TNPA4360S


TNPA4360 ① Ⓗ
PbF
SUFFIX
AB
AC
AD
AE
AF
AG
AH
DIP
MONOUT
L
R
V1
V2
COMPONENT1
COMPONENT2
JK3002
JK3000
D3005
IC3001
IC3101
IC3500
IC2107
IC2008
IC2301
IC2011
IC2106
Q3502
Q3503
Q3504
Q3505
Q3500
Q3509
Q2059
Q2060
Q2053
Q2057
Q2056
Q2066
Q2043
Q2041
Q2042
Q2018
Q2301
Q2302
Q2602
TP3514
TP3506
TP3508
TP3502
TP3504
TP3517
TP3518
C3007
C3033
C3032
C3086
C3138
C3145
C3521
C3504
C3515
C3502
C2151
C2107
C2108
C2059
C2133
C2172
C2192
C2363
C2361
C3530
L3502
L3508
L3507
L3500
L3501
L3506
H2
H3
H5
H10
H12
H30
H51
HMM1
HMM2
HMM8
ZA3001
ZA3002
ZA3003
ZA3004
ZA3006
ZA3007
ZA3008
A
B
C
D
E
F
G
H
I
1
2
3
4
5
6
TH-42PZ77U
H-BOARD TNPA4360S
TH-42PZ77U
H-BOARD TNPA4360S

14.5. DG-Board

DG-BOARD (FOIL SIDE)
TNPA4415S


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
TH-42PZ77U
DG-BOARD TNPA4415S
TH-42PZ77U
DG-BOARD TNPA4415S
TNPA4415 ① DG
SEE REVERSE FOR SUFFIX.
PbF
THERMAL PAD
IFOUT
IFAGC
IFDOUT2
IFDOUT1
VSUPPLY
VIDEOOUT
AFT
SCL
SDA
BTL
BV
TU
AGCMONITOR
ROUT
LOUT
BB
TU8300
Q8303
Q8302
Q8300
IC5901
IC5600
IC5601
IC5605
IC8004
IC5010
IC5013
IC5011
IC5012
IC5002
IC5003
IC5000
IC5006
IC4000
IC4003
IC4005
IC4002
IC4004
IC4508
IC4513
IC4514
IC4515
IC4053
IC5604
IC8502
IC4051
IC1101
IC5602
IC5603
IC8505
IC5704
Q5002
Q5607
Q4000
Q4002
Q4011
Q4013
Q4014
Q1107
Q1108
Q5604
Q5608
Q4509
TP5905
TP5901
TP5908
TP5904
TP4200
TP5027
TP5853
TP5909
TP5605
TP5003
TP5714
TP5606
TP4100
TP4101
TP4502
TP4509
TP4507
TP8500
TP8552
TP8553
TP4700
TP1102
TP1105
TP1111
TP8315
TP8560
TP8555
TP8558
TP8562
TP8557
TP8561
TP8556
TP8573
TP8571
TP8570
TP8569
TP8568
TP8567
TP8566
TP8565
TP8548
TP4511
TP4510
TP4509
TP4517
TP4516



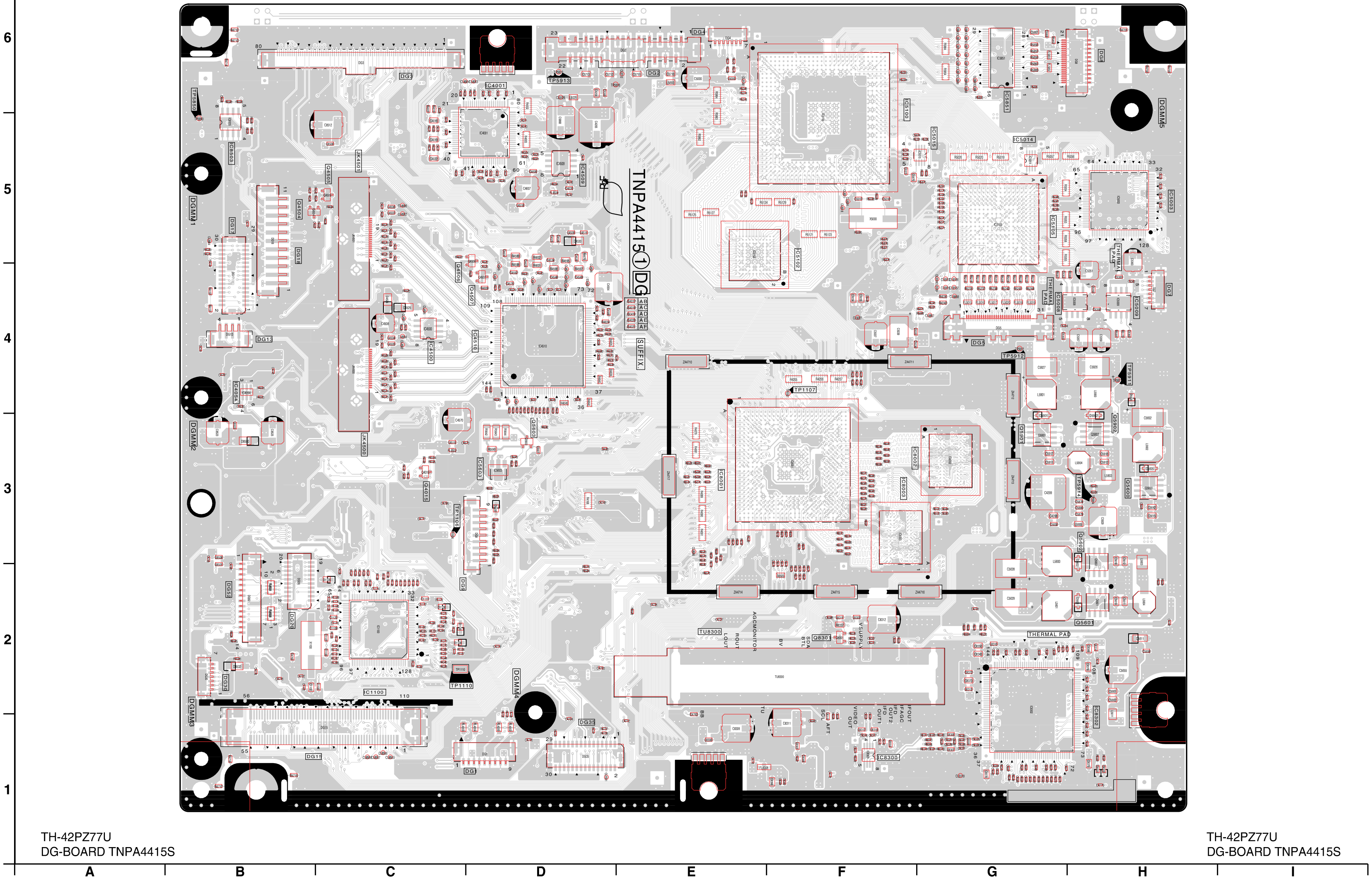
Parts Location

DG-BOARD (FOIL SIDE)									
IC		**TRANSISTOR**		**TP**					
IC1101	G-3	Q1107	G-3	TP1100	G-3	TP5011	C-4	TP8316	B-1
IC1108	G-3	Q1108	G-2	TP1101	G-3	TP5012	C-4	TP8500	H-5
IC4000	G-6	Q1114	H-3	TP1102	G-3	TP5013	C-4	TP8501	H-4
IC4002	F-5	Q4000	G-6	TP1103	G-3	TP5014	C-4	TP8502	G-6
IC4003	F-6	Q4001	G-5	TP1104	G-2	TP5015	C-4	TP8503	H-4
IC4004	E-4	Q4002	G-5	TP1105	G-2	TP5016	C-4	TP8544	H-2
IC4005	G-5	Q4010	G-3	TP1111	G-2	TP5017	C-4	TP8545	H-1
IC4051	F-2	Q4011	G-3	TP4100	G-6	TP5018	C-4	TP8546	H-1
IC4053	F-3	Q4012	G-3	TP4101	G-6	TP5019	C-4	TP8547	H-1
IC4501	G-4	Q4013	G-3	TP4102	G-6	TP5020	C-4	TP8548	H-1
IC4504	H-2	Q4014	G-3	TP4200	C-4	TP5021	C-4	TP8551	H-5
IC4506	F-4	Q4500	G-4	TP4201	C-4	TP5022	C-4	TP8552	H-5
IC4507	F-4	Q4501	G-5	TP4500	G-4	TP5023	C-4	TP8553	H-5
IC4508	F-5	Q4502	G-4	TP4501	G-5	TP5024	C-4	TP8554	D-3
IC4513	G-4	Q4503	G-4	TP4502	G-4	TP5025	C-4	TP8555	D-3
IC4514	G-4	Q4509	H-1	TP4503	G-5	TP5026	C-4	TP8556	D-2
IC4515	H-4	Q4510	H-2	TP4504	G-4	TP5027	C-6	TP8557	D-3
IC5000	E-6	Q4511	F-5	TP4505	G-5	TP5028	C-6	TP8558	D-3
IC5001	D-6	Q4512	F-5	TP4506	G-4	TP5600	B-4	TP8559	D-2
IC5002	D-5	Q4513	F-5	TP4507	H-4	TP5601	C-3	TP8560	D-3
IC5006	E-5	Q4514	F-4	TP4508	G-5	TP5602	C-2	TP8561	E-3
IC5010	B-5	Q4515	F-4	TP4509	H-2	TP5603	H-3	TP8562	D-3
IC5011	D-5	Q4516	F-4	TP4510	H-2	TP5604	F-3	TP8563	E-3
IC5012	D-4	Q4517	F-4	TP4511	H-2	TP5605	E-6	TP8565	G-2
IC5013	C-5	Q5000	C-5	TP4512	F-4	TP5606	F-6	TP8566	G-2
IC5600	B-3	Q5001	C-5	TP4513	F-4	TP5711	B-2	TP8567	G-2
IC5601	B-3	Q5002	B-5	TP4514	F-5	TP5714	F-6	TP8568	G-2
IC5602	H-3	Q5604	H-3	TP4515	F-4	TP5851	C-6	TP8569	G-2
IC5604	F-3	Q5605	B-2	TP4516	H-2	TP5852	C-6	TP8570	G-2
IC5605	B-2	Q5606	B-3	TP4517	H-2	TP5853	C-6	TP8571	G-2
IC5704	H-5	Q5607	B-3	TP4700	F-1	TP5901	B-4	TP8572	H-3
IC5901	B-4	Q5608	H-2	TP4701	E-2	TP5902	C-4	TP8573	H-3
IC8004	C-4	Q8300	D-1	TP5000	E-6	TP5903	B-6	TP8574	H-2
IC8502	F-3	Q8302	D-1	TP5001	E-6	TP5904	B-3		
IC8505	H-3	Q8303	D-1	TP5002	E-6	TP5905	C-4		
		Q8502	G-5	TP5003	E-5	TP5906	F-6		
		Q8597	H-2	TP5005	C-4	TP5907	B-1		
		Q8598	H-2	TP5006	C-4	TP5908	B-3		
				TP5007	C-4	TP5909	D-6		
				TP5008	C-4	TP8313	E-2		
				TP5009	C-4	TP8314	E-2		
				TP5010	C-4	TP8315	D-2		

Parts Location

DG-BOARD (COMPONENT SIDE)					
IC		**TRANSISTOR**		**TP**	
IC1100	C-2	Q4015	C-3	TP1106	C-3
IC4001	D-6	Q4504	B-5	TP1107	F-4
IC4054	B-4	Q4505	C-5	TP1110	C-2
IC4500	C-4	Q4506	C-4	TP5850	B-6
IC4509	D-5	Q4507	D-4	TP5911	H-4
IC4510	D-4	Q5600	H-3	TP5912	G-4
IC5003	H-5	Q5601	H-2	TP5913	D-6
IC5008	H-4	Q5602	H-3	TP5914	H-3
IC5009	H-4	Q5603	D-3	TP5916	D-6
IC5014	G-5	Q5901	G-3		
IC5015	G-5	Q5902	H-3		
IC5100	F-6	Q8301	F-2		
IC5102	F-5				
IC5105	G-5				
IC5603	D-3				
IC5851	G-6				
IC8001	E-3				
IC8002	G-3				
IC8003	F-3				
IC8300	F-1				
IC8302	H-1				
IC8503	B-5				

DG-BOARD (COMPONENT SIDE)
TNPA4415S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AB
AC
AD
AE
AF
SUFFIX
DGMM1
DGMM2
DGMM3
DGMM4
DGMM5
DG2
DG3
DG4
DG5
DG6
DG7
DG8
DG9
DG11
DG13
DG17
DG18
DG26
DG30
DG33
DG52
IC1100
IC4001
IC4054
IC4500
IC4509
IC4510
IC5003
IC5008
IC5009
IC5014
IC5015
IC5100
IC5102
IC5105
IC5603
IC5851
IC8001
IC8002
IC8003
IC8300
IC8302
IC8503
JK4500
JK4501
Q4015
Q4504
Q4505
Q4506
Q4507
Q5600
Q5601
Q5602
Q5603
Q5901
Q5902
Q8301
TP1106
TP1107
TP1110
TP5850
TP5911
TP5912
TP5913
TP5914
TU8300
THERMAL PAD
AGCMONITOR
ROUT
LOUT
BV
SDA
BTL
VSUPPLY
TU
SCL
AFT
VIDEO OUT
IFD OUT1
IFD OUT2
IFAGC
IFOUT
BB
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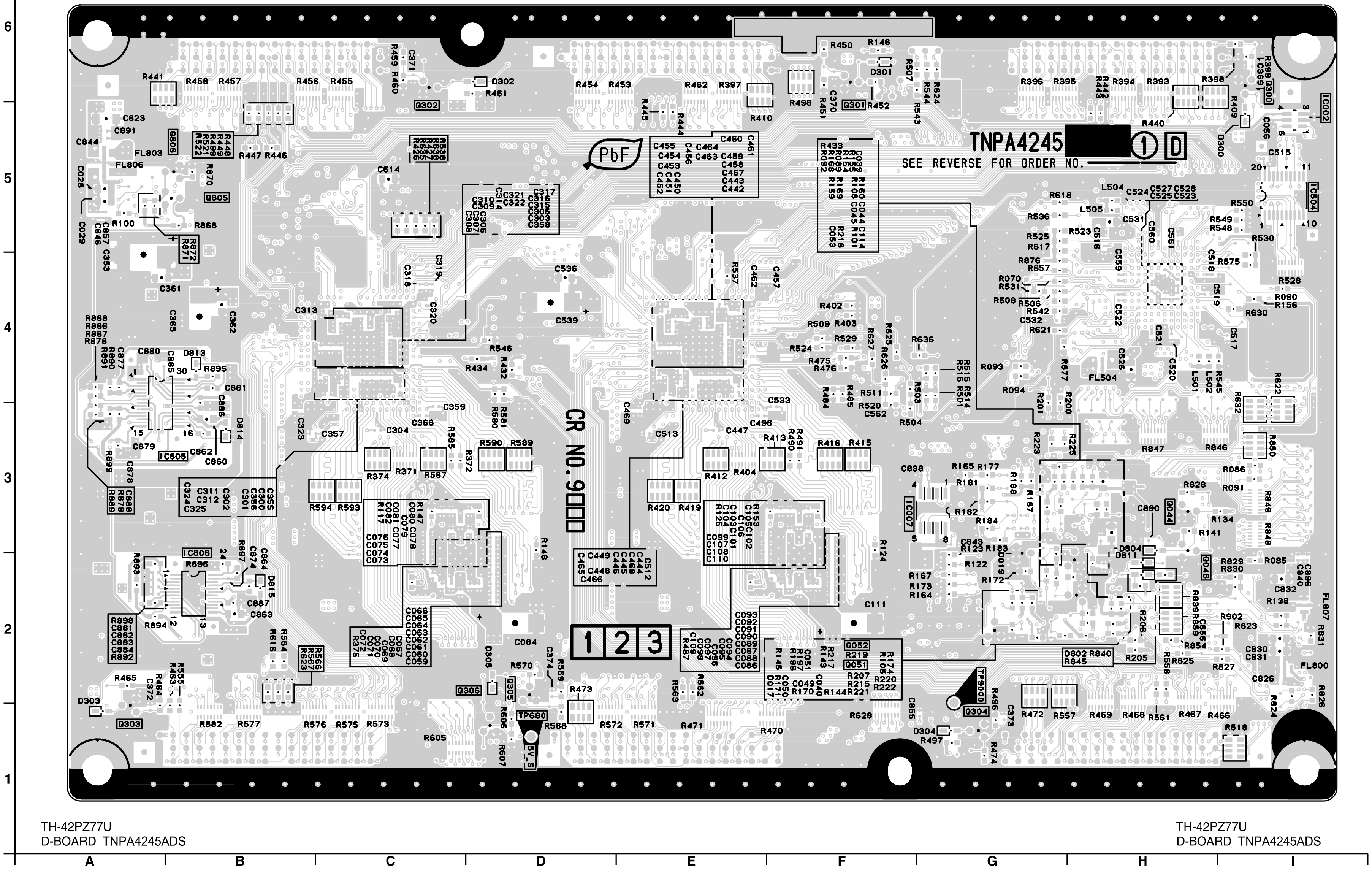
B
C
D
E
F
G
H
I

TH-42PZ77U
DG-BOARD TNPA4415S

TH-42PZ77U
DG-BOARD TNPA4415S

14.6. D-Board

D-BOARD (FOIL SIDE)
TNPA4245ADS


TNPA4245
① D
SEE REVERSE FOR ORDER NO.
PbF
CR NO.9□□□
1 2 3
IC002
IC504
IC007
IC805
IC806
Q300
Q301
Q302
Q303
Q304
Q305
Q306
Q044
Q046
Q051
Q052
Q805
Q806
TP9000
TP680
5V_S
FL800
FL803
FL806
FL807
FL504
D300
D301
D302
D303
D304
D305
D813
D814
D815
D019
D802
D804
D811
TH-42PZ77U
D-BOARD TNPA4245ADS
TH-42PZ77U
D-BOARD TNPA4245ADS
A
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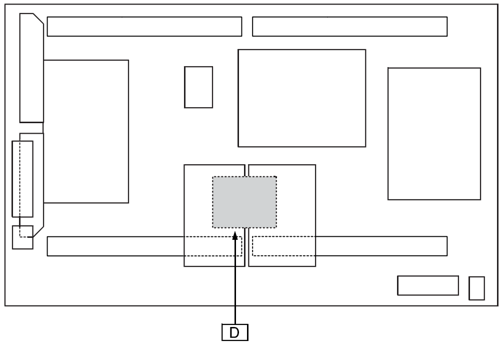


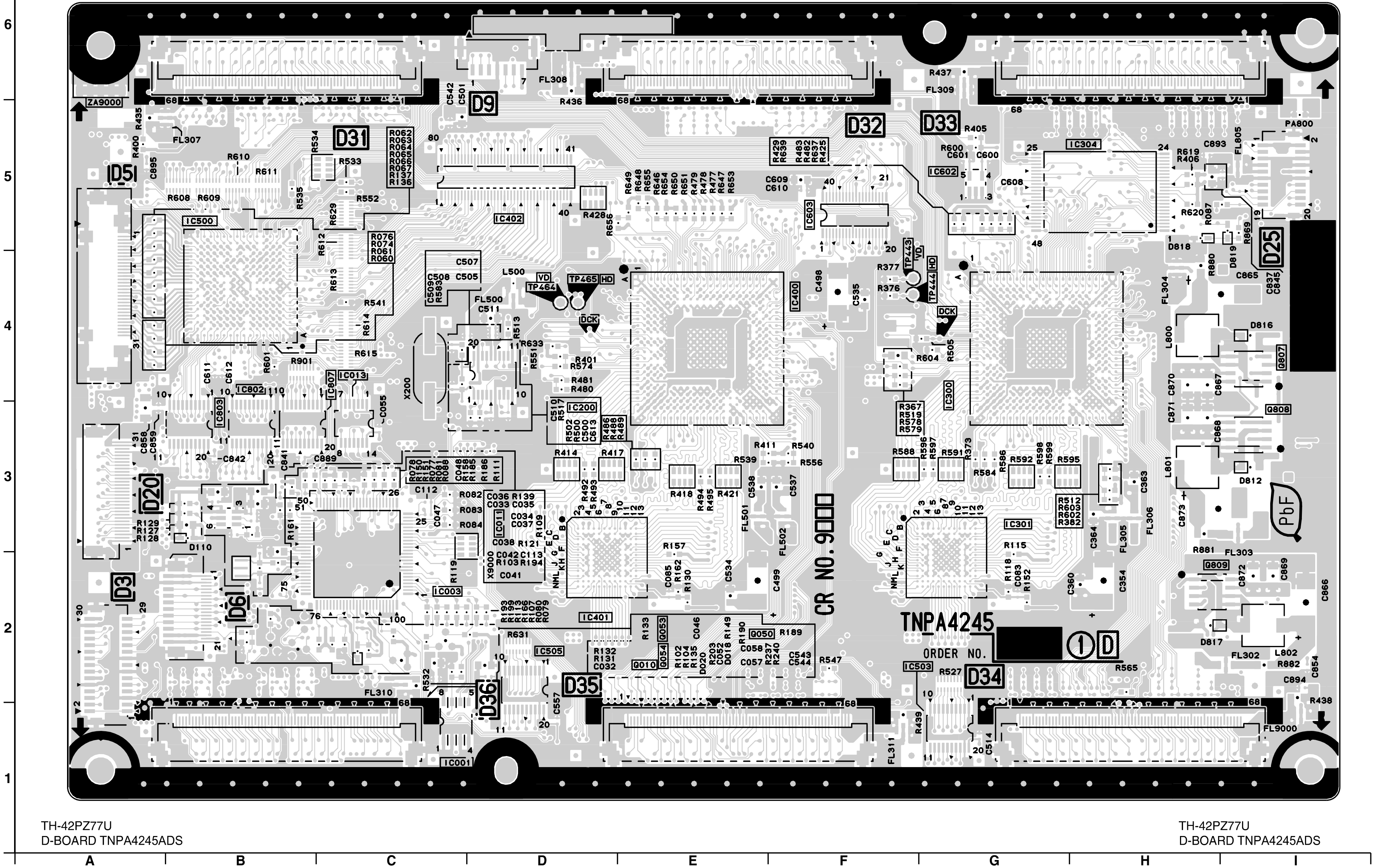
Parts Location

D-BOARD (FOIL SIDE)					
IC		TRANSISTOR		TP	
IC9002	I-5	Q9044	H-3	TP9000	G-2
IC9007	F-3	Q9046	H-2	TP9680	D-1
IC9504	I-5	Q9051	F-2		
IC9805	B-3	Q9052	F-2		
IC9806	B-2	Q9300	I-6		
		Q9301	F-6		
		Q9302	C-5		
		Q9303	A-1		
		Q9304	G-1		
		Q9305	D-2		
		Q9306	C-2		
		Q9805	B-5		
		Q9806	B-5		

Parts Location

D-BOARD (COMPONENT SIDE)					
IC		TRANSISTOR		TP	
IC9001	C-1	Q9010	E-2	TP9443	F-4
IC9003	C-2	Q9050	E-2	TP9444	G-4
IC9011	D-3	Q9053	E-2	TP9464	D-4
IC9013	C-4	Q9054	E-2	TP9465	D-4
IC9200	D-3	Q9807	I-4		
IC9300	G-3	Q9808	I-3		
IC9301	G-3	Q9809	H-2		
IC9304	H-5				
IC9400	F-4				
IC9401	D-2				
IC9402	D-5				
IC9500	B-5				
IC9503	G-2				
IC9505	D-2				
IC9602	G-5				
IC9603	F-5				
IC9802	B-4				
IC9803	B-3				
IC9807	C-4				

D-BOARD (COMPONENT SIDE)
TNPA4245ADS


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
ZA9000
D5
D20
D3
D6
D31
D9
D32
D33
D25
D36
D35
D34
IC500
IC402
IC400
IC603
IC602
IC304
IC300
IC200
IC401
IC301
IC003
IC011
IC013
IC802
IC803
IC807
IC505
IC503
IC001
X200
X9000
TP464
TP465
TP443
TP444
VD
HD
DCK
FL307
FL308
FL309
FL310
FL311
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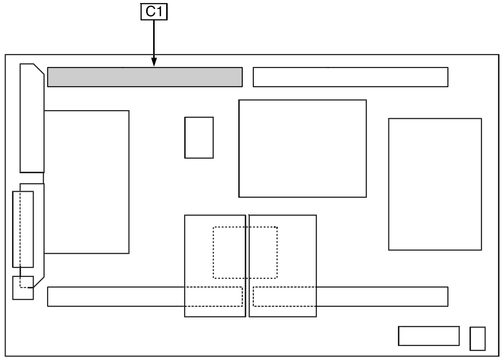
FL805
PA800
L800
L801
L802
Q807
Q808
Q809
Q050
Q053
Q054
Q010
CR NO.9
TNPA4245
ORDER NO.
1D
PbF
TH-42PZ77U
D-BOARD TNPA4245ADS
TH-42PZ77U
D-BOARD TNPA4245ADS

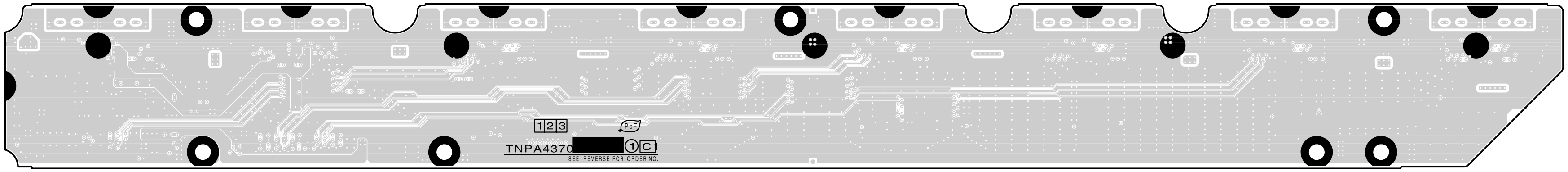
14.7. C1-Board

Parts Location

C1-BOARD	
IC	
IC7101	H-2
IC7105	G-2
IC7106	G-2
IC7107	D-2
IC7108	E-2
IC7109	E-2
IC7110	H-2
IC7111	I-2
IC7112	I-2
IC7115	F-2



C1-BOARD (FOIL SIDE)
TXNC11NZTU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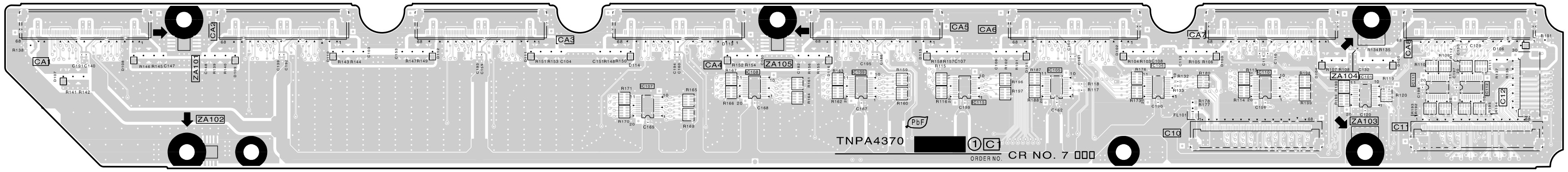
PbF
TNPA4370
① C1
SEE REVERSE FOR ORDER NO.

C1-BOARD (COMPONENT SIDE)
TXNC11NZTU


CA1
CA2
CA3
CA4
CA5
CA6
CA7
CA8
ZA101
ZA102
ZA103
ZA104
ZA105
C10
C11
C12
PbF
TNPA4370
① C1
ORDER NO.
CR NO. 7 ▯▯▯

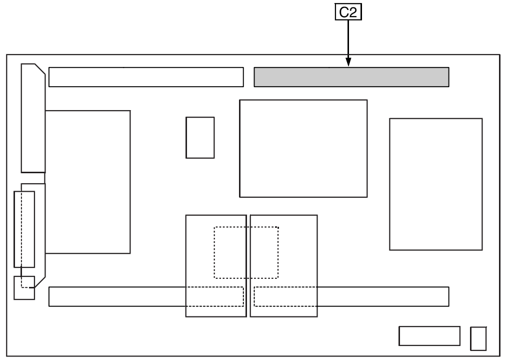
TH-42PZ77U
C1-BOARD TXNC11NZTU

TH-42PZ77U
C1-BOARD TXNC11NZTU

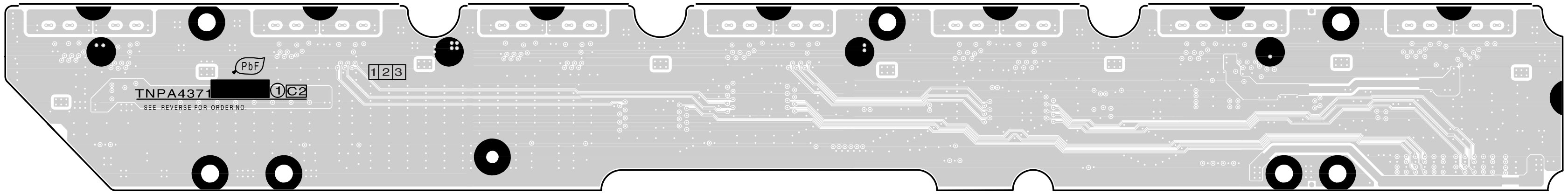
14.8. C2-Board

Parts Location

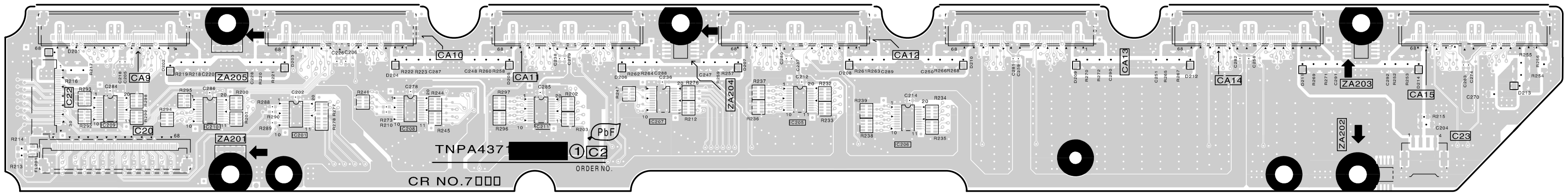
C2-BOARD	
IC	
IC7201	B-2
IC7205	E-2
IC7206	F-2
IC7207	D-2
IC7208	C-2
IC7209	A-2
IC7210	B-2
IC7211	D-2



C2-BOARD (FOIL SIDE)
TXNC21NZTU


PbF
TNPA4371
① C2
SEE REVERSE FOR ORDER NO.
1 2 3

C2-BOARD (COMPONENT SIDE)
TXNC21NZTU


CA9
C22
C20
ZA205
ZA201
CA10
CA11
ZA204
CA12
CA13
CA14
ZA203
ZA202
CA15
C23
PbF
TNPA437
① C2
ORDER NO.
CR NO.7□□□

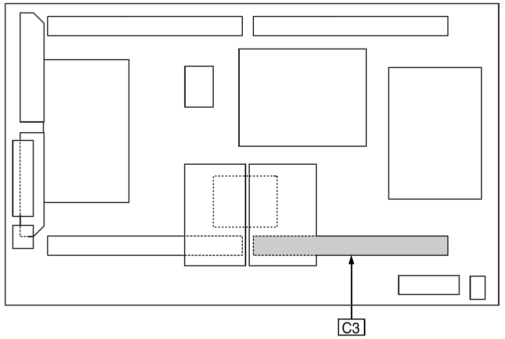
TH-42PZ77U
C2-BOARD TXNC21NZTU

TH-42PZ77U
C2-BOARD TXNC21NZTU

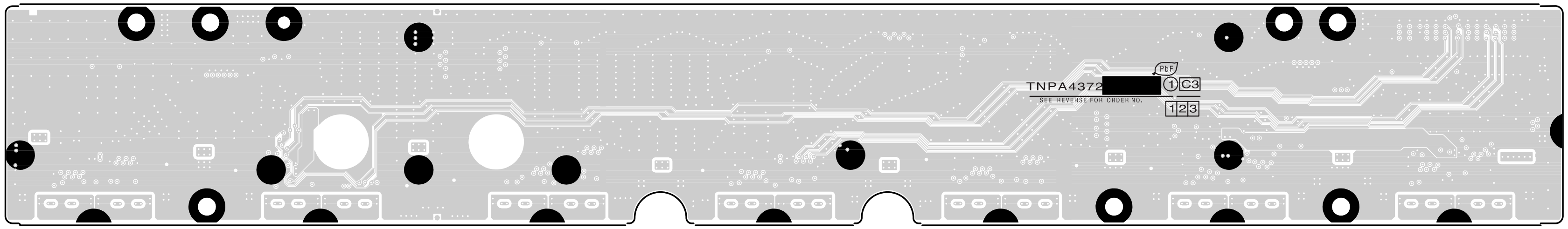
14.9. C3-Board

Parts Location

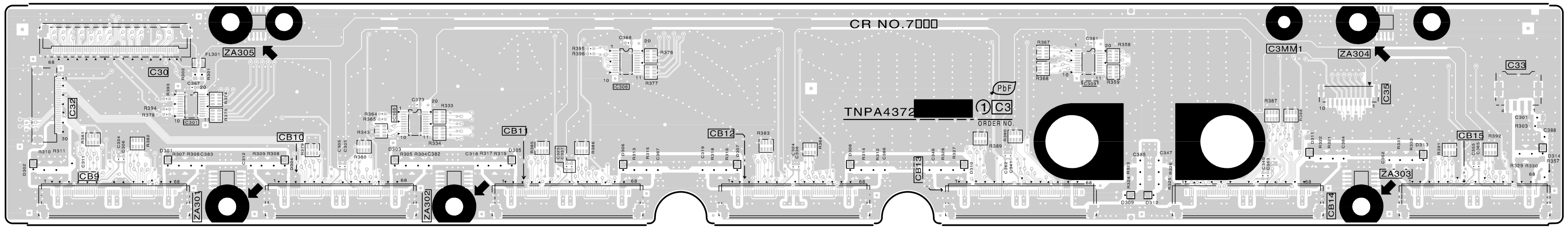
C3-BOARD	
IC	
IC7301	B-2
IC7305	C-2
IC7306	D-2
IC7309	G-2



C3-BOARD (FOIL SIDE)
TXNC31NZTU


TNPA4372
SEE REVERSE FOR ORDER NO.
PbF
①C3
123

C3-BOARD (COMPONENT SIDE)
TXNC31NZTU


CR NO.7□□□
ZA305
ZA301
ZA302
ZA303
ZA304
C30
C32
C33
C35
CB9
CB10
CB11
CB12
CB13
CB14
CB15
C3MM1
TNPA4372
PbF
①C3
ORDER NO.

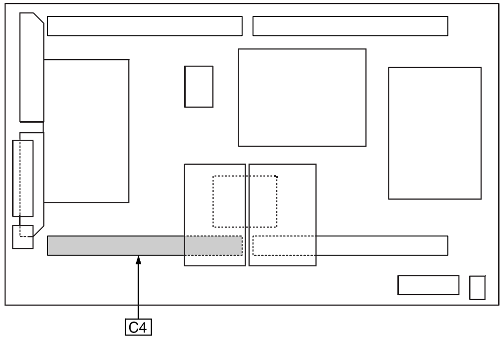
TH-42PZ77U
C3-BOARD TXNC31NZTU

TH-42PZ77U
C3-BOARD TXNC31NZTU

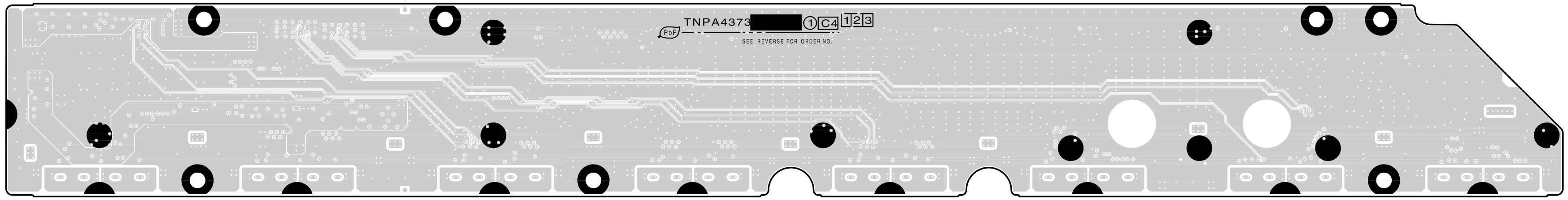
14.10. C4-Board

Parts Location

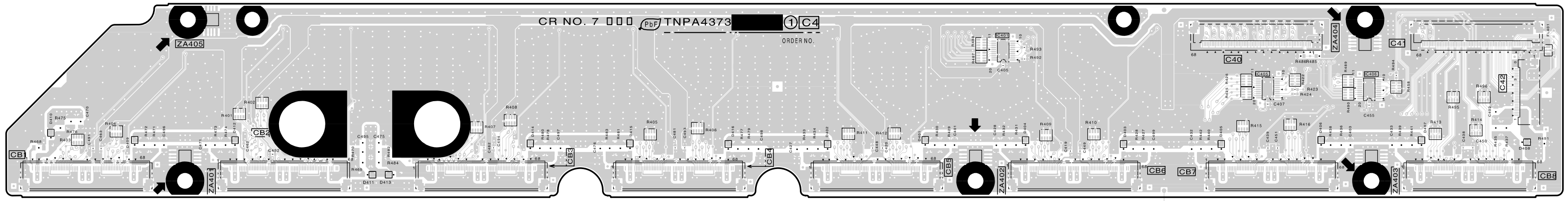
C4-BOARD	
IC	
IC7401	F-2
IC7405	H-2
IC7406	H-2



C4-BOARD (FOIL SIDE)
TXNC41NZTU


TNPA4373
①C4 123
SEE REVERSE FOR ORDER NO.
PbF

C4-BOARD (COMPONENT SIDE)
TXNC41NZTU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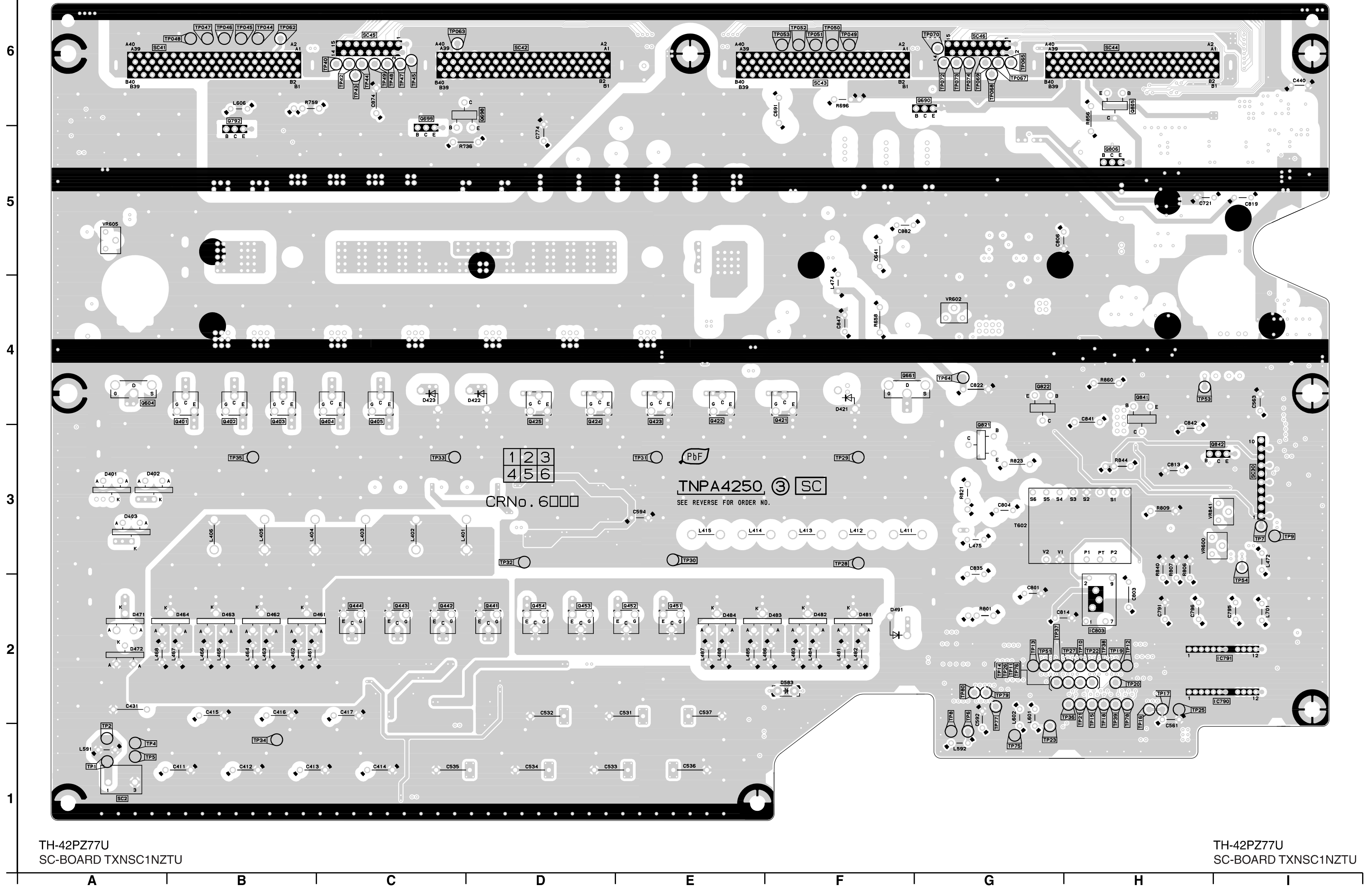
PbF
TNPA4373
①C4
ORDER NO.
ZA405
ZA401
ZA402
ZA403
ZA404
CB1
CB2
CB3
CB4
CB5
CB6
CB7
CB8
C40
C41
C42

TH-42PZ77U
C4-BOARD TXNC41NZTU

TH-42PZ77U
C4-BOARD TXNC41NZTU

14.11. SC-Board

SC-BOARD (FOIL SIDE)
TXNSC1NZTU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SC41
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SC45
SC46
SC2
SC30
T602
IC790
IC791
IC803
VR605
VR602
VR600
VR841
TH-42PZ77U
SC-BOARD TXNSC1NZTU
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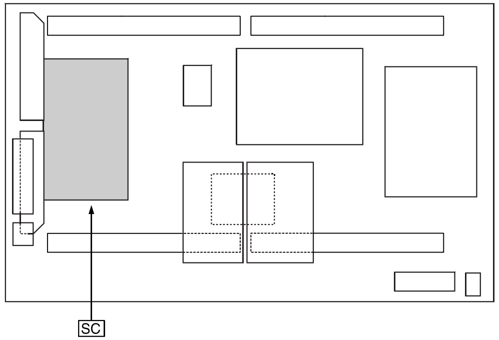

Parts Location

SC-BOARD (FOIL SIDE)

IC	
IC6790	I-2
IC6791	I-2
IC6803	H-2

TRANSISTOR	
Q6401	B-4
Q6402	B-4
Q6403	B-4
Q6404	C-4
Q6405	C-4
Q6421	F-4
Q6422	E-4
Q6423	E-4
Q6424	D-4
Q6425	D-4
Q6441	D-2
Q6442	C-2
Q6443	C-2
Q6444	C-2
Q6451	E-2
Q6452	E-2
Q6453	D-2
Q6454	D-2
Q6604	A-4
Q6661	F-4
Q6690	G-6
Q6698	D-6
Q6699	C-6
Q6792	B-6
Q6805	H-6
Q6806	H-5
Q6821	G-3
Q6822	G-4
Q6841	H-4
Q6842	I-3

TP	
TP1	A-1
TP2	A-1
TP4	A-1
TP5	A-1
TP6	G-1
TP7	I-3
TP8	G-1
TP9	I-3
TP10	H-2
TP11	G-2
TP12	H-2
TP13	G-2
TP14	G-2
TP15	H-2
TP16	H-2
TP17	H-2
TP18	H-2
TP19	H-2
TP20	H-2
TP21	H-2
TP22	H-2
TP23	G-1
TP25	H-2
TP26	G-2
TP27	H-2
TP28	F-3
TP29	F-3
TP30	E-3
TP31	E-3
TP32	D-3
TP33	C-3
TP34	B-1
TP35	B-3
TP36	H-2
TP37	G-2
TP38	H-2
TP39	H-2
TP40	C-6
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TP44	C-6
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TP45	C-6
TP046	B-6
TP047	B-6
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TP051	F-6
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TP54	I-3
TP62	B-6
TP63	C-6
TP64	G-4
TP65	G-6
TP67	G-6
TP68	G-6
TP69	G-6
TP70	G-6
TP72	G-6
TP73	G-6
TP74	G-6
TP75	G-1
TP76	G-2
TP77	G-2
TP78	H-2
TP79	G-2
TP80	G-2

VOLUME	
VR6600	I-3
VR6602	G-4
VR6605	A-5
VR6641	I-3

Parts Location

SC-BOARD (COMPONENT SIDE)

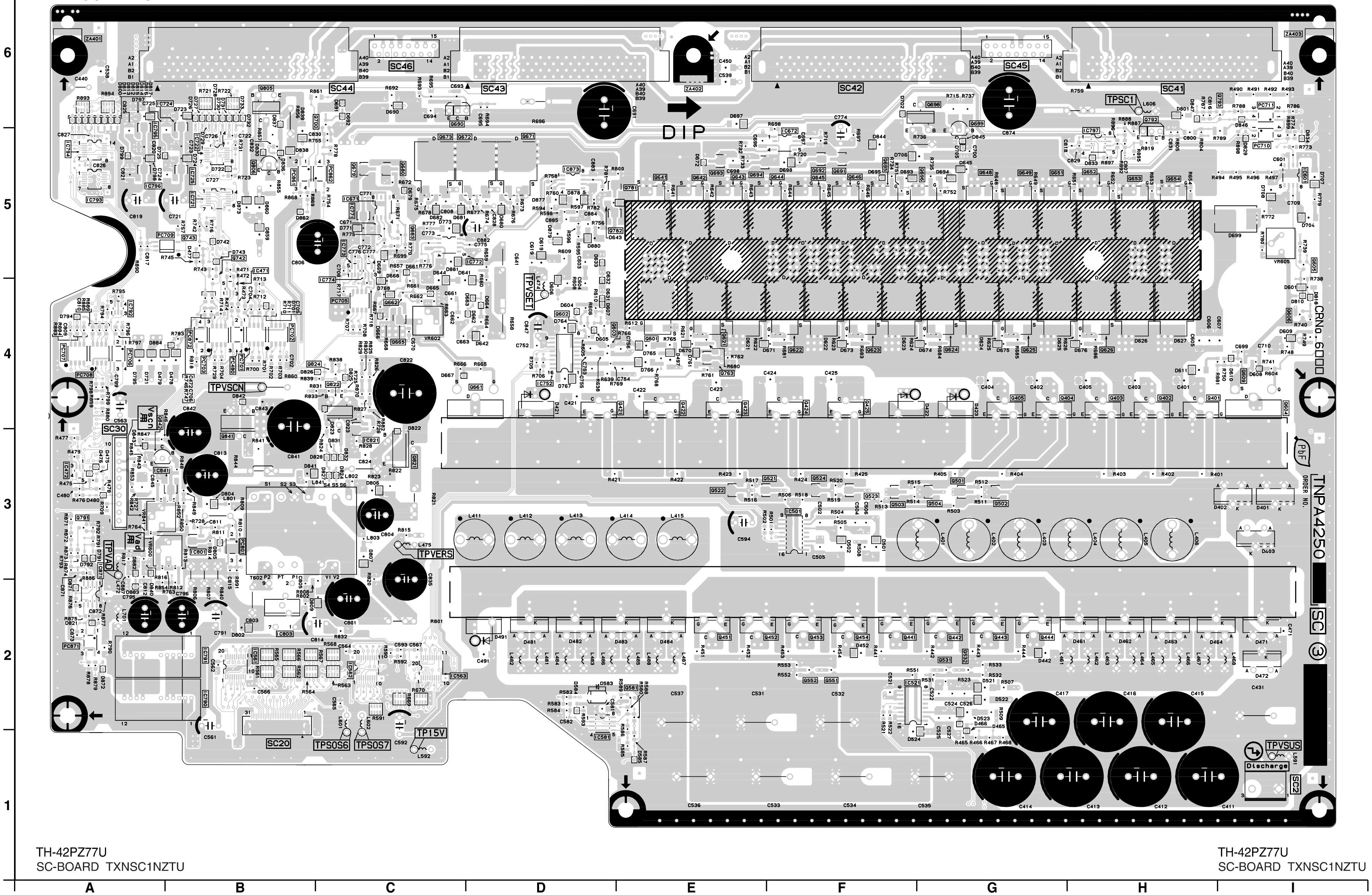
IC	
IC6471	B-5
IC6472	A-3
IC6501	F-3
IC6521	F-2
IC6561	B-2
IC6562	C-2
IC6563	C-2
IC6581	D-1
IC6601	I-5
IC6671	C-5
IC6672	F-5
IC6721	B-5
IC6722	B-5
IC6724	A-6
IC6725	B-5
IC6752	D-4
IC6771	C-5
IC6772	D-5
IC6773	C-5
IC6774	C-4
IC6790	B-2
IC6791	B-2
IC6792	A-4
IC6793	A-5
IC6794	A-5
IC6795	A-5
IC6796	A-5
IC6797	H-5
IC6801	B-3
IC6803	B-2
IC6821	C-3
IC6841	A-3
IC6871	A-3
IC6873	D-5

TRANSISTOR	
Q6401	H-4
Q6402	H-4
Q6403	H-4
Q6404	G-4
Q6405	G-4
Q6421	E-4
Q6422	E-4
Q6423	E-4
Q6424	F-4
Q6425	F-4
Q6441	F-2
Q6442	G-2
Q6443	G-2
Q6444	G-2
Q6451	E-2
Q6452	F-2
Q6453	F-2
Q6454	F-2
Q6501	G-3
Q6502	G-3
Q6503	F-3
Q6504	G-3
Q6521	F-3
Q6522	E-3
Q6523	F-3
Q6524	F-3
Q6531	G-2
Q6532	G-2
Q6551	F-2
Q6552	F-2
Q6581	E-2
Q6601	E-4
Q6602	D-4
Q6603	D-4
Q6604	I-4
Q6605	I-5
Q6606	I-4
Q6609	I-4
Q6621	E-4
Q6622	F-4
Q6623	F-4
Q6624	G-4
Q6625	G-4
Q6626	H-4
Q6641	E-5
Q6642	E-5
Q6643	E-5
Q6644	F-5
Q6645	F-5
Q6646	F-5
Q6648	G-5
Q6649	G-5
Q6651	G-5
Q6652	H-5
Q6653	H-5
Q6654	H-5
Q6661	D-4
Q6662	C-4
Q6663	C-5
Q6665	C-4
Q6671	D-5
Q6672	C-5
Q6673	C-5
Q6679	C-5
Q6680	C-5
Q6690	C-5
Q6691	F-5
Q6692	F-5
Q6693	E-5
Q6694	E-5
Q6695	F-5
Q6696	G-5
Q6698	G-6
Q6699	G-6
Q6700	B-6
Q6742	B-5
Q6743	B-5
Q6763	E-4
Q6781	E-5
Q6782	D-5
Q6791	A-3
Q6792	H-6
Q6793	H-6
Q6805	B-6
Q6806	B-5
Q6821	C-3
Q6822	C-4
Q6824	B-4
Q6841	B-3
Q6842	A-4

TP	
TP15V	C-1
TPSC1	H-6
TPSOS6	C-1
TPSOS7	C-1
TPVAD	A-3
TPVERS	C-3
TPVSCN	B-4
TPVSET	D-4
TPVSUS	I-1

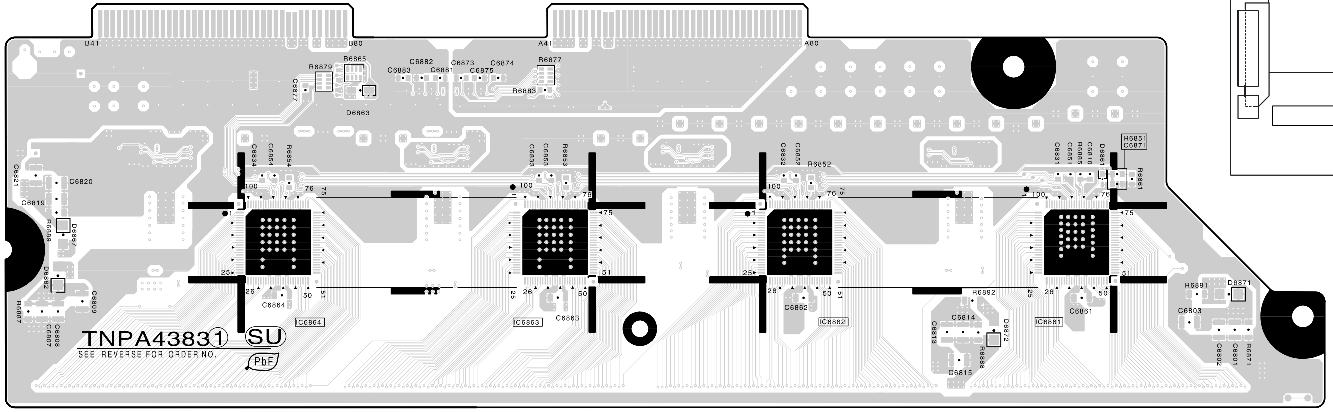
VOLUME	
VR6600	A-3
VR6602	C-4
VR6841	A-3

SC-BOARD (COMPONENT SIDE)
TXNSC1NZTU

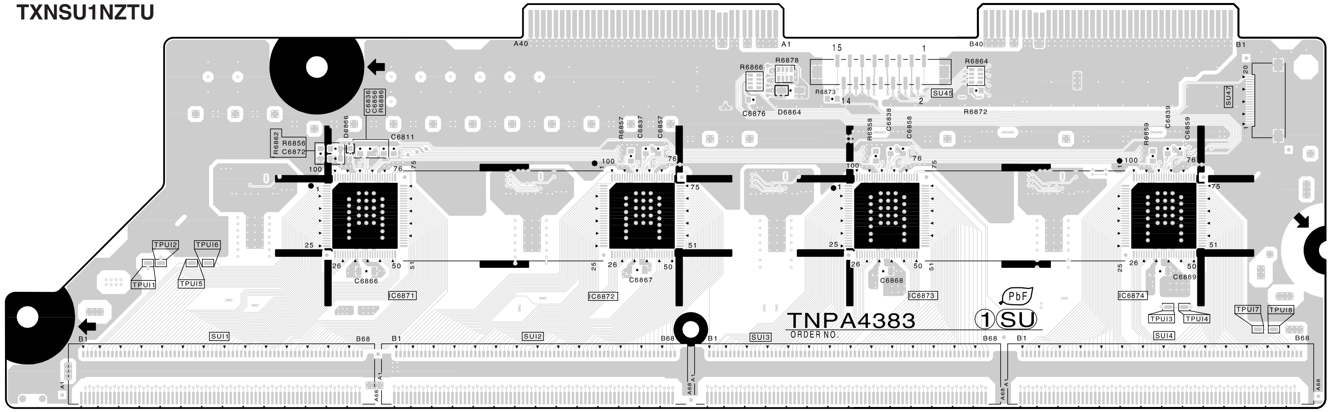

TNPA4250
SC ③
CRNo. 6
ORDER NO.
PbF
DIP
SC41
SC42
SC43
SC44
SC45
SC46
SC2
SC20
SC30
TPSC1
TPVSET
TPVSCN
TPVERS
TPVAD
TPVSUS
TP15V
TPSOS6
TPSOS7
Discharge
Vscn 用
Vad 用
1
2
3
4
5
6
A
B
C
D
E
F
G
H
I
TH-42PZ77U
SC-BOARD TXNSC1NZTU
TH-42PZ77U
SC-BOARD TXNSC1NZTU

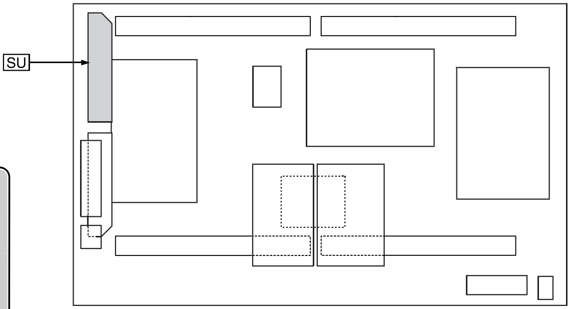
14.12. SU-Board

SU-BOARD (FOIL SIDE)
TXNSU1NZTU


TNPA4383①
SU
SEE REVERSE FOR ORDER NO.
PbF
IC6861
IC6862
IC6863
IC6864
B41
B80
A41
A80

SU-BOARD (COMPONENT SIDE)
TXNSU1NZTU


TNPA4383
ORDER NO.
①SU
PbF
IC6871
IC6872
IC6873
IC6874
SU1
SU2
SU3
SU4
SU41
SU45
TPUI1
TPUI2
TPUI3
TPUI4
TPUI5
TPUI6
TPUI7
TPUI8



Parts Location

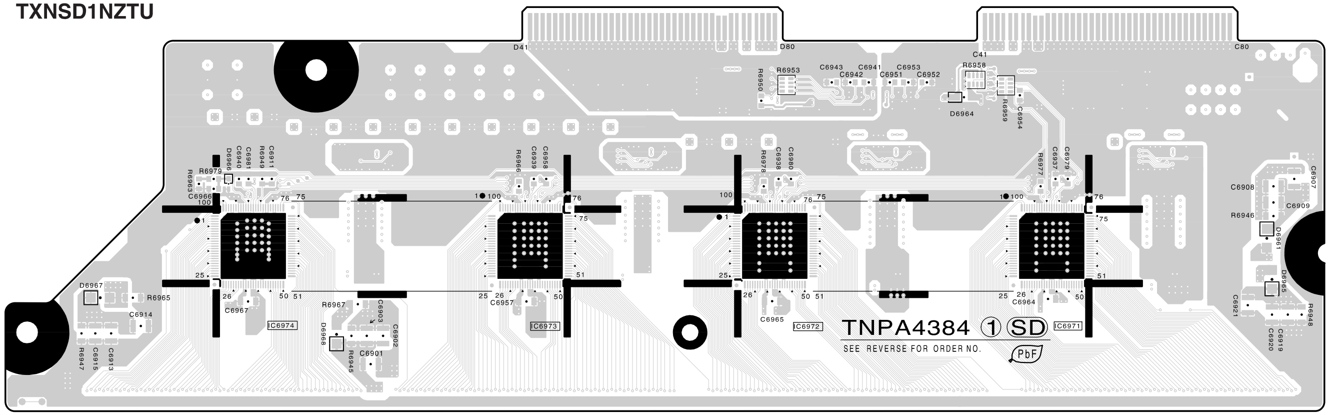
SU-BOARD	
IC	
IC6861	F-4
IC6862	E-4
IC6863	D-4
IC6864	B-4
IC6871	C-2
IC6872	D-2
IC6873	E-2
IC6874	G-2
TP	
TPUI1	B-2
TPUI2	B-2
TPUI3	G-1
TPUI4	G-1
TPUI5	B-2
TPUI6	B-2
TPUI7	G-1
TPUI8	G-1

TH-42PZ77U
SU-BOARD TXNSU1NZTU

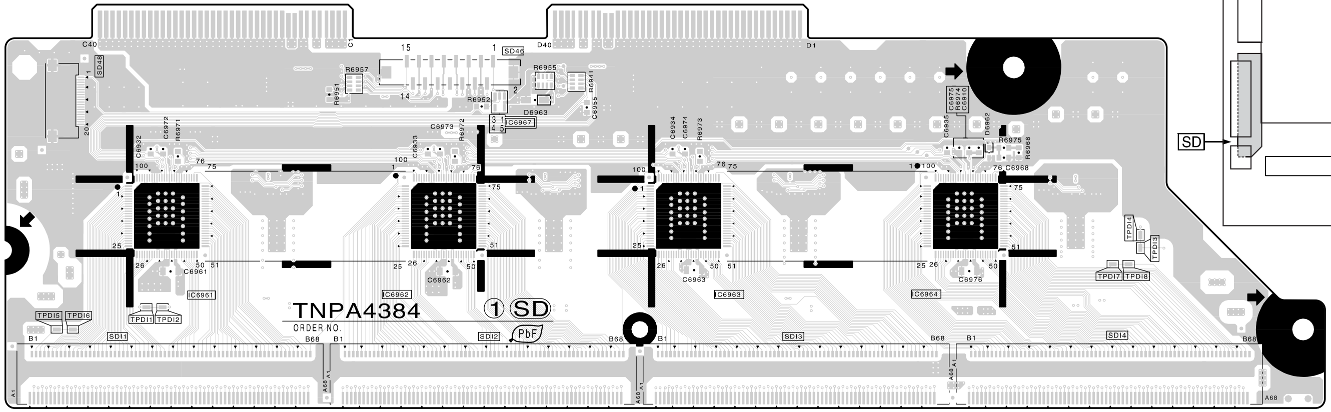
TH-42PZ77U
SU-BOARD TXNSU1NZTU

14.13. SD-Board

SD-BOARD (FOIL SIDE)
TXNSD1NZTU


TNPA4384 ① SD
SEE REVERSE FOR ORDER NO.
PbF
IC6971
IC6972
IC6973
IC6974
D41
D80
C41
C80
R6953
C6943
C6942
C6941
C6951
C6953
C6952
R6958
D6964
C6954
C6908
R6946
C6909
C6907
D6961
D6965
C6921
C6919
C6920
R6948
D6967
R6965
C6914
C6913
C6915
R6947
R6967
D6968
C6903
C6902
C6901
R6945
C6967
C6957
C6965
C6964

SD-BOARD (COMPONENT SIDE)
TXNSD1NZTU

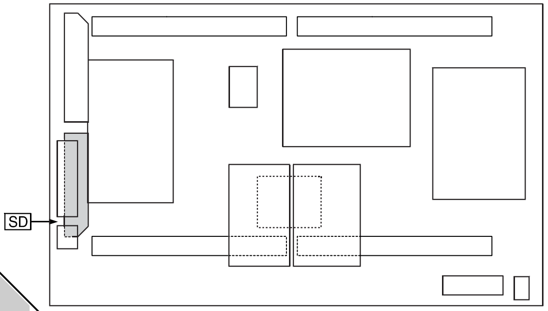

TNPA4384 ① SD
ORDER NO.
PbF
IC6961
IC6962
IC6963
IC6964
IC6967
SD1
SD2
SD3
SD4
SD48
TPDI1
TPDI2
TPDI3
TPDI4
TPDI5
TPDI6
TPDI7
TPDI8
C40
D40
D1
R6957
R6951
R6955
R6952
D6963
R6941
C6955
C6961
C6962
C6963
C6976
R6975
R6966
C6968
B1
B68
A1
A68

TH-42PZ77U
SD-BOARD TXNSD1NZTU

TH-42PZ77U
SD-BOARD TXNSD1NZTU

Parts Location

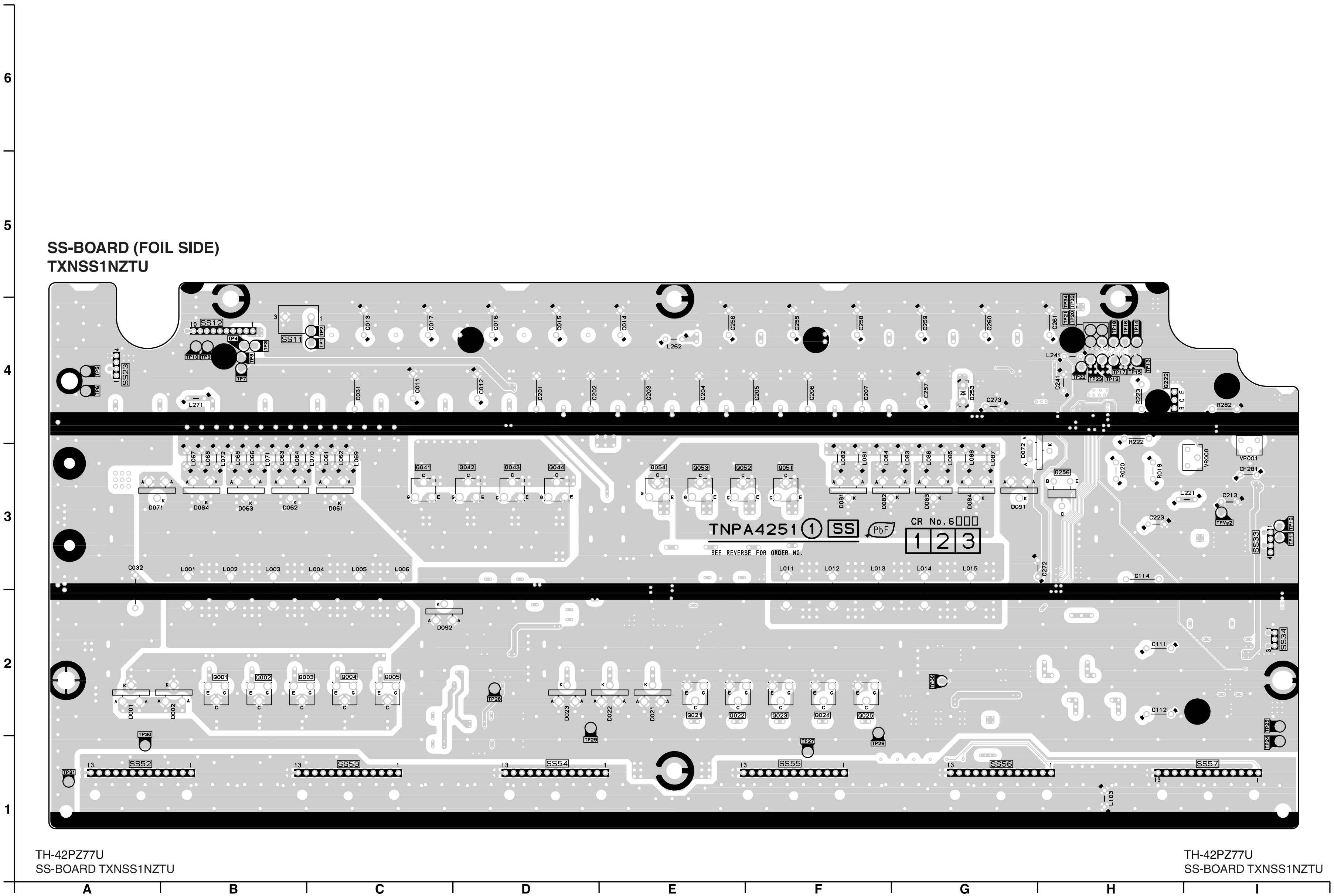
SD-BOARD	
IC	
IC6961	A-2
IC6962	C-2
IC6963	D-2
IC6964	F-2
IC6967	C-2
IC6971	F-4
IC6972	E-4
IC6973	D-4
IC6974	B-4
TP	
TPDI1	B-1
TPDI2	B-1
TPDI3	G-2
TPDI4	G-2
TPDI5	A-1
TPDI6	A-1
TPDI7	F-2
TPDI8	G-2


SD

6
5
4
3
2
1
A
B
C
D
E
F
G
H
I

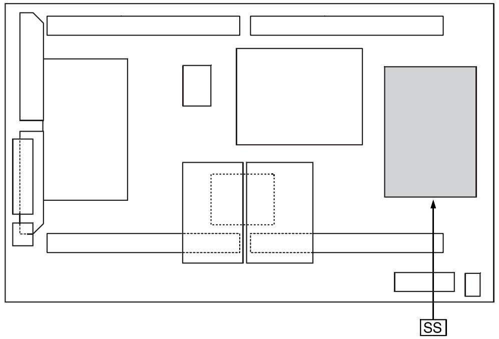
14.14. SS-Board

SS-BOARD (FOIL SIDE)
TXNSS1NZTU


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
TNPA4251 ① SS
PbF
CR No.6
1 2 3
SEE REVERSE FOR ORDER NO.
SS11
SS12
SS23
SS33
SS34
SS52
SS53
SS54
SS55
SS56
SS57
D001
D002
D021
D022
D023
D061
D062
D063
D064
D071
D072
D081
D082
D083
D084
D091
D092
D253
Q001
Q002
Q003
Q004
Q005
Q021
Q022
Q023
Q024
Q025
Q041
Q042
Q043
Q044
Q051
Q052
Q053
Q054
Q222
Q256
L001
L002
L003
L004
L005
L006
L011
L012
L013
L014
L015
L103
L221
L241
L262
L271
C013
C017
C016
C015
C014
C031
C011
C012
C032
C111
C112
C114
C201
C202
C203
C204
C205
C206
C207
C213
C223
C241
C255
C256
C257
C258
C259
C260
C261
C272
C273
CF281
R019
R020
R222
R223
R282
VR000
VR001

TH-42PZ77U
SS-BOARD TXNSS1NZTU

TH-42PZ77U
SS-BOARD TXNSS1NZTU



Parts Location

SS-BOARD (FOIL SIDE)

TRANSISTOR	
Q6001	B-2
Q6002	B-2
Q6003	B-2
Q6004	C-2
Q6005	C-2
Q6021	E-2
Q6022	E-2
Q6023	F-2
Q6024	F-2
Q6025	F-2
Q6041	C-3
Q6042	D-3
Q6043	D-3
Q6044	D-3
Q6051	F-3
Q6052	E-3
Q6053	E-3
Q6054	E-3
Q6222	H-4
Q6256	H-3

TP	
TP1	C-4
TP2	C-4
TP3	B-4
TP4	B-4
TP5	A-4
TP6	A-4
TP7	B-4
TP8	B-4
TP9	B-4
TP10	B-4
TP11	I-3
TP12	I-3
TP13	H-4
TP14	H-4
TP15	H-4
TP16	H-4
TP17	H-4
TP18	H-4
TP19	H-4
TP20	H-4
TP21	H-4
TP22	H-4
TP23	H-4
TP24	I-1
TP25	I-2
TP26	F-1
TP27	F-1
TP28	D-2
TP29	D-2
TP30	A-1
TP31	A-1
TP33	H-4
TP34	H-4
TP36	G-2
TPVe2	I-3

VOLUME	
VR6000	I-3
VR6001	I-4

TH-42PZ77U
SS-BOARD PARTS LOCATION

Parts Location

SS-BOARD (COMPONENT SIDE)

IC	
IC6131	F-2
IC6151	E-3
IC6191	C-2
IC6211	A-2
IC6221	A-4
IC6241	B-4
IC6251	C-4
IC6281	A-4

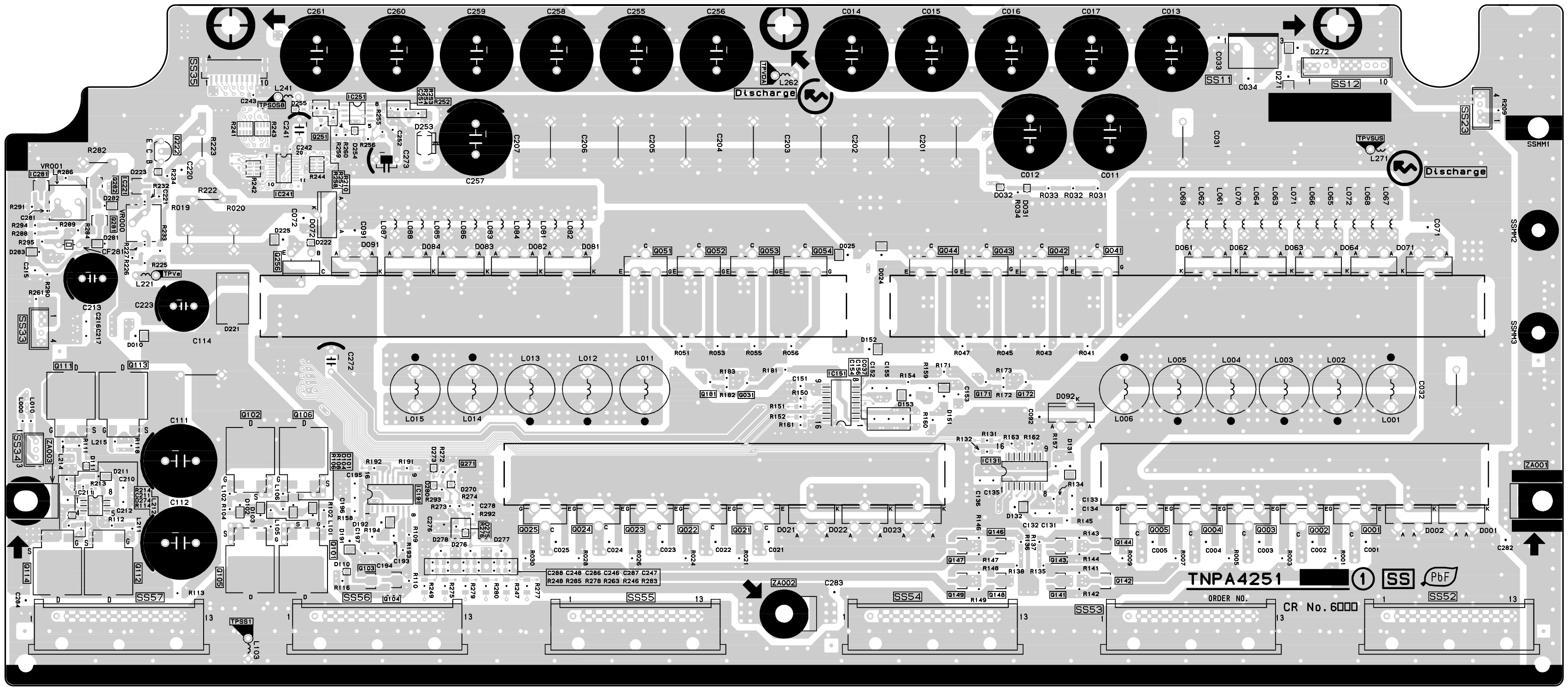
TRANSISTOR	
Q6001	H-2
Q6002	H-2
Q6003	H-2
Q6004	G-2
Q6005	G-2
Q6021	E-2
Q6022	D-2
Q6023	D-2
Q6024	D-2
Q6025	D-2
Q6031	E-2
Q6041	G-3
Q6042	G-3
Q6043	F-3
Q6044	F-3
Q6051	D-3
Q6052	E-3
Q6053	E-3
Q6054	E-3
Q6101	C-2
Q6102	B-2
Q6103	C-2
Q6104	C-1
Q6105	B-1
Q6106	B-2
Q6111	A-3
Q6112	A-1
Q6113	A-2
Q6114	A-1
Q6141	G-1
Q6142	G-1
Q6143	G-2
Q6144	G-2
Q6146	F-2
Q6147	F-2
Q6148	F-1
Q6149	F-1
Q6171	F-2
Q6172	F-2
Q6181	E-2
Q6222	B-4
Q6251	B-4
Q6256	B-3
Q6271	C-2
Q6281	A-3
Q6282	A-4

TP	
TPSOS8	B-4
TPSS1	B-1
TPVDA	E-4
TPVe	B-3
TPVSUS	H-4

VOLUME	
VR6000	A-3
VR6001	A-4

TH-42PZ77U
SS-BOARD PARTS LOCATION

SS-BOARD (COMPONENR SIDE)
TXNSS1NZTU


TNPA4251
CR No.6000
ORDER NO.
SS
PbF
Discharge
Discharge
SS11
SS12
SS23
SS33
SS34
SS35
SS52
SS53
SS54
SS55
SS56
SS57
SSMM1
SSMM2
SSMM3
ZA001
ZA002
ZA003
TPVSUS
TPVDA
TPSS1
A
B
C
D
E
F
G
H
I
1
2
3
4
5
6

TH-42PZ77U
SS-BOARD TXNSS1NZTU

TH-42PZ77U
SS-BOARD TXNSS1NZTU

15 Schematic and Block Diagram

15.1. Schematic Diagram Note

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

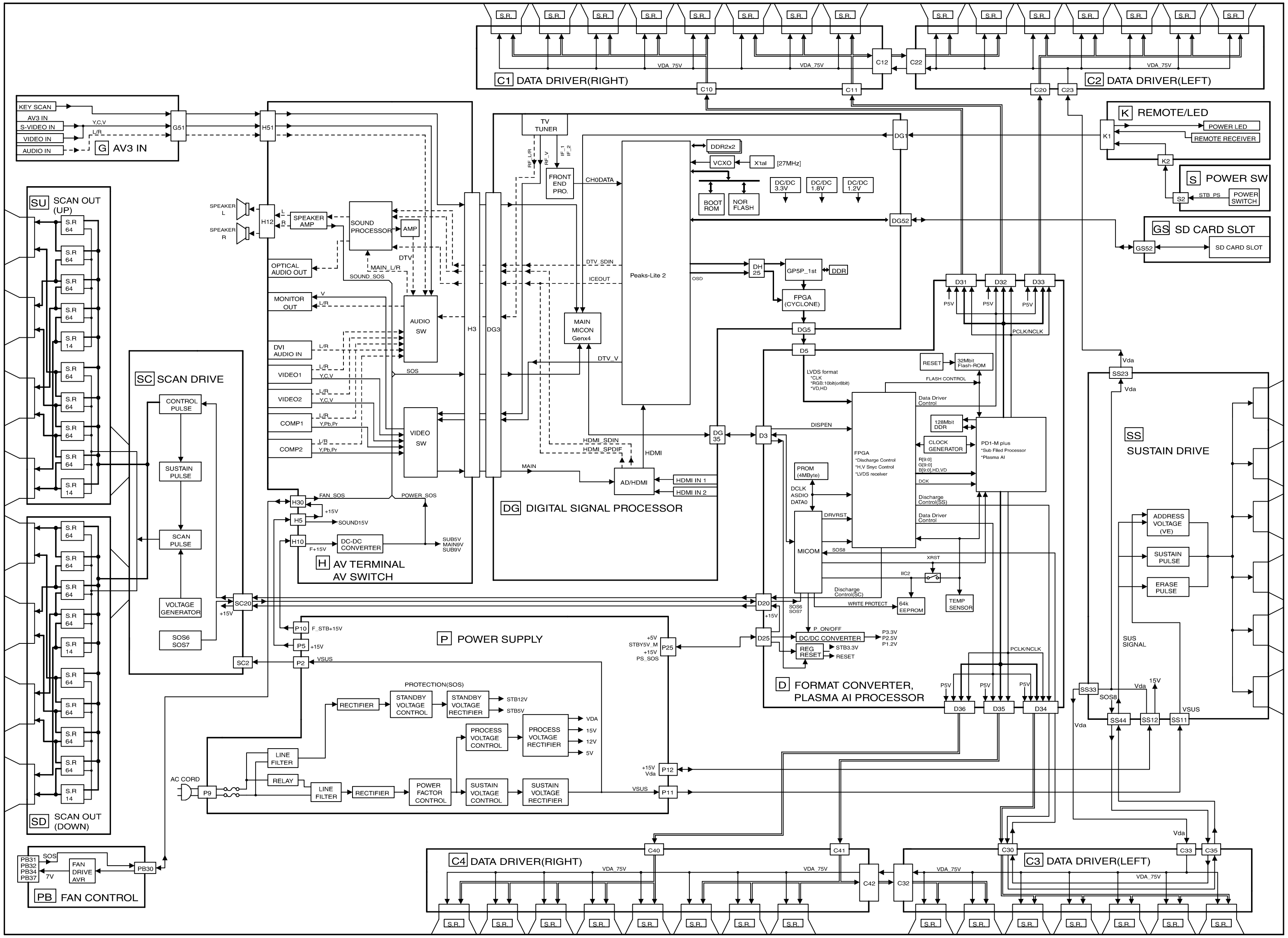
1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is µF, unless otherwise noted.
3. Coil
   Unit of inductance is H, unless otherwise noted.
4. Test Point
   ⚲ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ▽ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source AC120V, 50/60Hz
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.

8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

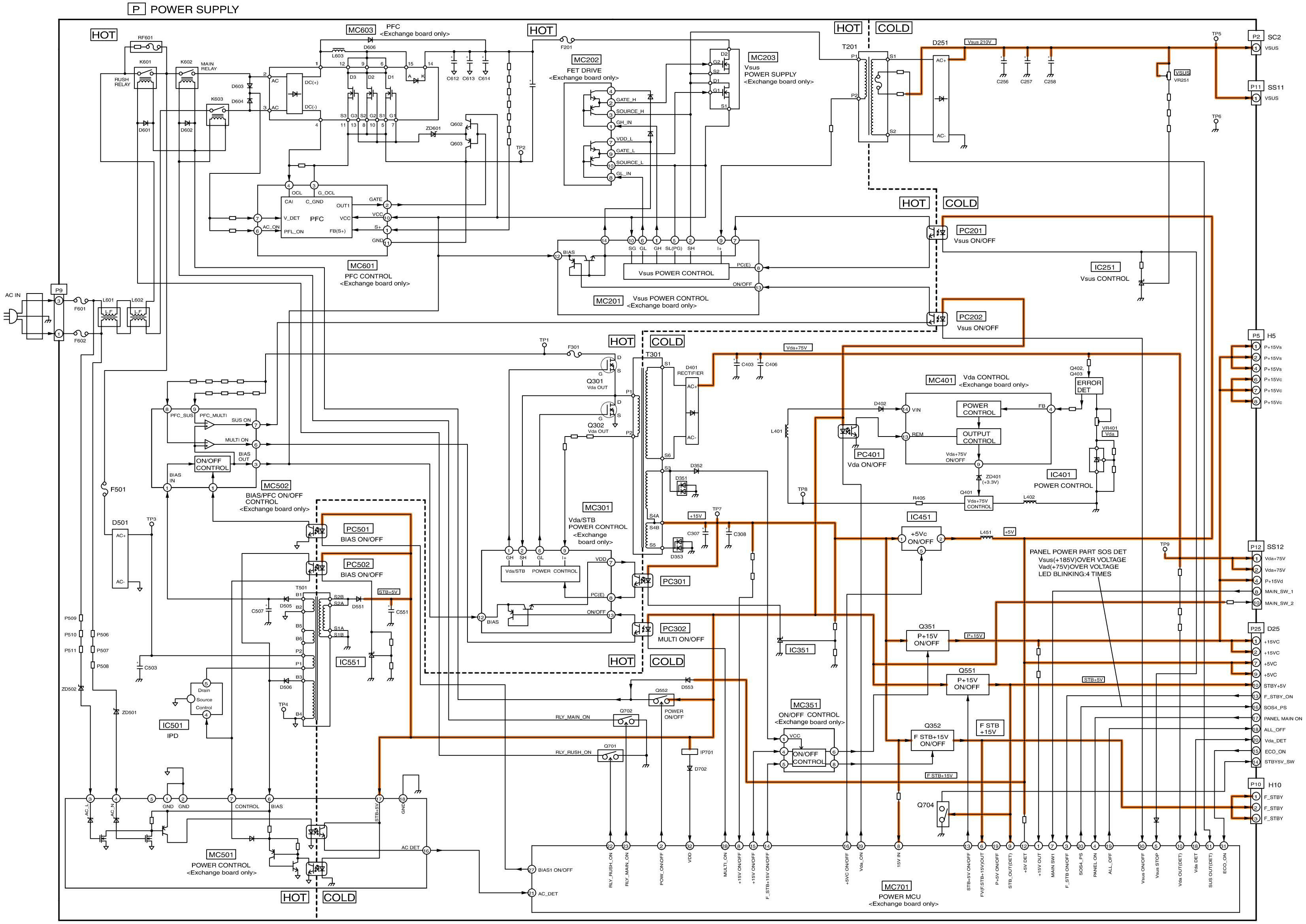
Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
      Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.

15.2. Main Block Diagram


C1 DATA DRIVER(RIGHT)
C2 DATA DRIVER(LEFT)
C3 DATA DRIVER(LEFT)
C4 DATA DRIVER(RIGHT)
S.R
VDA_75V
C10
C11
C12
C20
C22
C23
C30
C32
C33
C35
C40
C41
C42
K REMOTE/LED
K1
K2
POWER LED
REMOTE RECEIVER
S POWER SW
S2
STB_PS
POWER SWITCH
GS SD CARD SLOT
GS52
SD CARD SLOT
G AV3 IN
KEY SCAN
AV3 IN
S-VIDEO IN
VIDEO IN
AUDIO IN
Y,C,V
L/R
G51
H51
SU SCAN OUT (UP)
SD SCAN OUT (DOWN)
S.R 64
S.R 14
SC SCAN DRIVE
CONTROL PULSE
SUSTAIN PULSE
SCAN PULSE
VOLTAGE GENERATOR
SOS6 SOS7
SC20
SC2
+15V
PB FAN CONTROL
PB31 PB32 PB34 PB37
SOS
7V
FAN DRIVE AVR
PB30
SPEAKER L
SPEAKER R
H12
SPEAKER AMP
SOUND PROCESSOR
AMP
OPTICAL AUDIO OUT
MONITOR OUT
DVI AUDIO IN
VIDEO1
VIDEO2
COMP1
COMP2
V
Y,C,V
Y,Pb,Pr
MAIN_L/R
SOUND_SOS
DTV
AUDIO SW
VIDEO SW
SOS
H3
DG3
H30
H5
H10
FAN_SOS
POWER_SOS
SOUND15V
DC-DC CONVERTER
F+15V
SUB5V MAIN9V SUB9V
H AV TERMINAL AV SWITCH
TV TUNER
RF_L/R
RF_V
IF_1
IF_2
FRONT END PRO.
CH0DATA
Peaks-Lite 2
DDR2x2
VCXO
X'tal
[27MHz]
BOOT ROM
NOR FLASH
DC/DC 3.3V
DC/DC 1.8V
DC/DC 1.2V
DG1
DG52
DTV_SDIN
ICEOUT
OSD
MAIN MICON Genx4
DTV_V
HDMI_SDIN
HDMI_SPDIF
HDMI
MAIN
AD/HDMI
HDMI IN 1
HDMI IN 2
DG DIGITAL SIGNAL PROCESSOR
DH 25
GP5P_1st
DDR
FPGA (CYCLONE)
DG5
D5
DG 35
D3
LVDS format
*CLK
*RGB:10bit(or8bit)
*VD,HD
DISPEN
FPGA
*Discharge Control
*H,V Sync Control
*LVDS receiver
PROM (4MByte)
DCLK
ASDIO
DATA0
DRVRST
SOS8
MICOM
RESET
32Mbit Flash-ROM
FLASH CONTROL
Data Driver Control
128Mbit DDR
CLOCK GENERATOR
R[9:0]
G[9:0]
B[9:0],HD,VD
DCK
Discharge Control(SS)
PD1-M plus
*Sub Filed Processor
*Plasma AI
XRST
IIC2
Discharge Control(SC)
WRITE PROTECT
64k EEPROM
TEMP SENSOR
D20
SOS6 SOS7
D25
P_ON/OFF
DC/DC CONVERTER
P3.3V
P2.5V
P1.2V
REG RESET
STB3.3V
RESET
D FORMAT CONVERTER, PLASMA AI PROCESSOR
D31
D32
D33
D34
D35
D36
P5V
PCLK/NCLK
SS SUSTAIN DRIVE
SS23
Vda
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SUS SIGNAL
SS33
SOS8
15V
SS44
SS12
SS11
VSUS
P POWER SUPPLY
P10
F_STB+15V
P5
P2
+5V
STBY5V_M
+15V
PS_SOS
P25
PROTECTION(SOS)
RECTIFIER
STANDBY VOLTAGE CONTROL
STANDBY VOLTAGE RECTIFIER
STB12V
STB5V
PROCESS VOLTAGE CONTROL
PROCESS VOLTAGE RECTIFIER
VDA
15V
12V
5V
LINE FILTER
RELAY
AC CORD
P9
POWER FACTOR CONTROL
SUSTAIN VOLTAGE CONTROL
SUSTAIN VOLTAGE RECTIFIER
+15V Vda
P12
P11

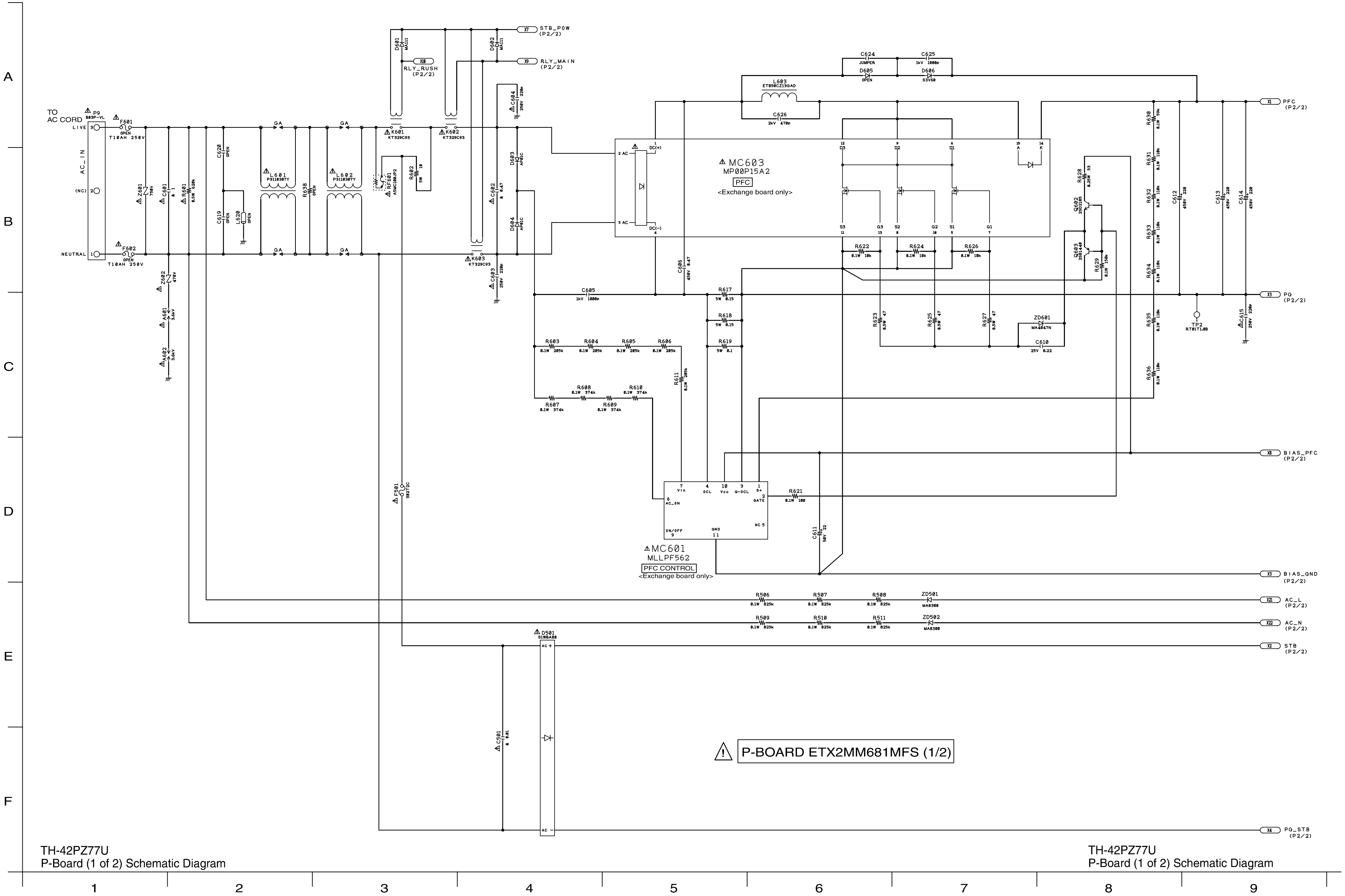
15.3. P-Board Block Diagram


P POWER SUPPLY
HOT
COLD
AC IN
P9
F601
F602
L601
L602
RF601
K601
RUSH RELAY
K602
MAIN RELAY
K603
D601
D602
D603
D604
MC603
PFC
<Exchange board only>
D606
L603
D1
D2
D3
C612 C613 C614
ZD601
Q602
Q603
TP2
MC601
PFC CONTROL
<Exchange board only>
OCL
G_OCL
CAI
C_GND
OUT1
V_DET
VCC
AC_ON
PFL_ON
FB(S+)
GATE
S+
GND
F201
MC202
FET DRIVE
<Exchange board only>
GATE_H
SOURCE_H
GH_IN
VDD_L
GATE_L
SOURCE_L
GL_IN
MC203
Vsus
POWER SUPPLY
<Exchange board only>
MC201
Vsus POWER CONTROL
<Exchange board only>
BIAS
SG GL GH SL(PG) SH
PC(E)
ON/OFF
T201
D251
Vsus 210V
C256 C257 C258
VSUS
VR251
TP5
TP6
P2 SC2
P11 SS11
PC201
Vsus ON/OFF
PC202
Vsus ON/OFF
IC251
Vsus CONTROL
P5 H5
P+15Vs
P+15Vc
TP1
F301
Q301
Vda OUT
Q302
Vda OUT
T301
D401
RECTIFIER
C403 C406
Vda+75V
MC401
Vda CONTROL
<Exchange board only>
ERROR DET
Q402
Q403
POWER CONTROL
OUTPUT CONTROL
VIN
REM
FB
VR401
Vda
D402
L401
PC401
Vda ON/OFF
ZD401
(+3.3V)
Q401
R405
L402
IC401
POWER CONTROL
TP8
D351
D352
D353
C307
C308
TP7
+15V
MC301
Vda/STB
POWER CONTROL
<Exchange board only>
VDD
Vda/STB POWER CONTROL
GH SH GL I+
PC301
PC302
MULTI ON/OFF
IC451
+5Vc ON/OFF
L451
+5V
PANEL POWER PART SOS DET
Vsus(+185V)OVER VOLTAGE
Vad(+75V)OVER VOLTAGE
LED BLINKING:4 TIMES
TP9
P12 SS12
Vda+75V
P+15Vd
MAIN_SW_1
MAIN_SW_2
Q351
P+15V ON/OFF
P+15V
Q551
STB+5V
IC351
P25 D25
+15VC
+5VC
STBY+5V
F_STBY_ON
SOS4_PS
PANEL MAIN ON
ALL_OFF
Vda_DET
ECO_ON
STBY5V_SW
P10 H10
F_STBY
MC351
ON/OFF CONTROL
<Exchange board only>
VCC
Q352
F STB+15V ON/OFF
F STB +15V
F STB+15V
Q704
Q552
POWER ON/OFF
D553
Q702
RLY_MAIN_ON
Q701
RLY_RUSH_ON
IP701
D702
MC502
BIAS/PFC ON/OFF CONTROL
<Exchange board only>
PFC_SUS
PFC_MULTI
SUS ON
MULTI ON
BIAS OUT
BIAS IN
ON/OFF CONTROL
F501
D501
TP3
PC501
BIAS ON/OFF
PC502
BIAS ON/OFF
T501
D505
D506
D551
C507
C551
IC551
TP4
C503
P506 P507 P508 P509 P510 P511
ZD501
ZD502
IC501
IPD
Drain
Source
Control
MC501
POWER CONTROL
<Exchange board only>
AC_L
AC_N
GND
CONTROL
STB+5V
AC DET
BIAS1 ON/OFF
AC_DET
MC701
POWER MCU
<Exchange board only>
RLY_RUSH_ON
RLY_MAIN_ON
POW_ON/OFF
VDD
MULTI_ON
+15V ON/OFF
F_STB+15V ON/OFF
+5VC ON/OFF
Vda_ON
15V IN
STB+5V ON/OFF
P(V)F.STB+15V)OUT
P+5V ON/OFF
STB_OUT(DET)
+5V DET
+15V OUT
MAIN SW1
F_STB ON/OFF
SOS4_PS
PANEL ON
ALL_OFF
Vsus ON/OFF
Vsus STOP
Vda OUT(DET)
Vda DET
SUS OUT(DET)
ECO_ON

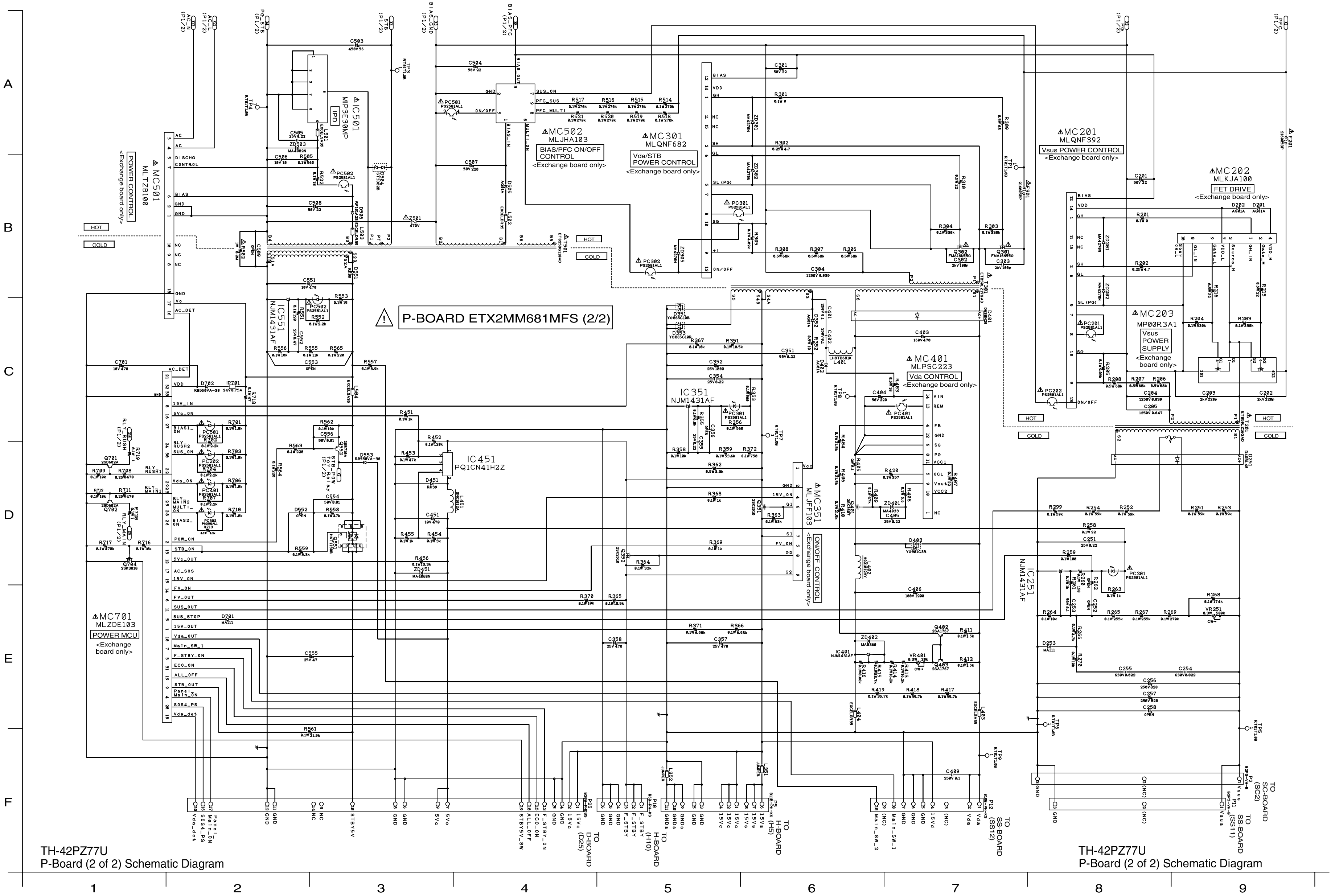
TH-42PZ77U
P-Board Block Diagram

TH-42PZ77U
P-Board Block Diagram

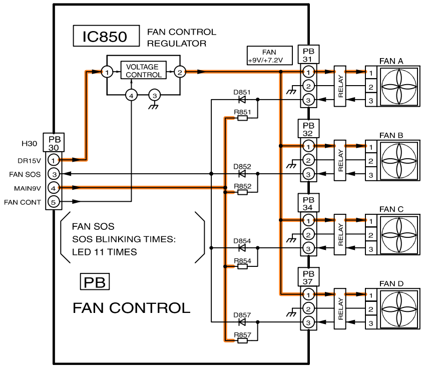
15.4. P-Board (1 of 2) Schematic Diagram

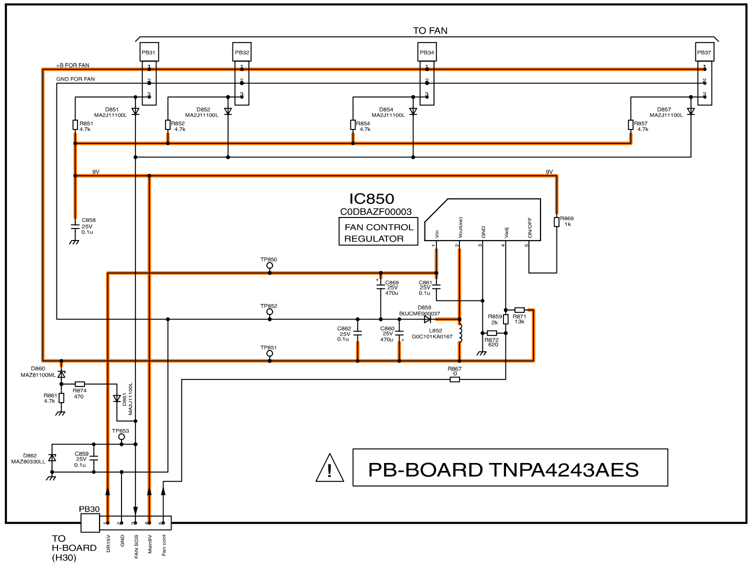

A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TO
AC CORD
P9
B03P-VL
LIVE
AC_IN
(NC)
NEUTRAL
F601
OPEN
T10AH 250V
F602
OPEN
T10AH 250V
Z601
750V
C601
1
R601
0.5W 620k
Z602
470V
A601
3.6kV
A602
3.6kV
C620
OPEN
C619
OPEN
L620
OPEN
GA
L601
P3110307Y
R638
OPEN
L602
P3110307Y
RF601
A5MC100JP2
R602
5W 10
K601
KT329C93
K602
KT329C93
K603
KT329C93
D601
MA111
D602
MA111
X10
RLY_RUSH
(P2/2)
X7
STB_POW
(P2/2)
X9
RLY_MAIN
(P2/2)
C604
250V 220p
D603
AP01C
C602
0.47
D604
AP01C
C603
250V 220p
F501
382T2C
C605
1kV 1000p
C606
450V 0.47
R603
0.1W 205k
R604
0.1W 205k
R605
0.1W 205k
R606
0.1W 205k
R607
0.1W 374k
R608
0.1W 374k
R609
0.1W 374k
R610
0.1W 374k
R611
0.1W 205k
R617
5W 0.15
R618
5W 0.15
R619
5W 0.1
MC603
MP00P15A2
PFC
<Exchange board only>
2 AC
3 AC
DC(+)
DC(−)
D3
D2
D1
S3
G3
S2
G2
S1
G1
A
K
L603
ETB50CZ13GAD
C626
2kV 470p
C624
JUMPER
C625
1kV 1000p
D605
OPEN
D606
S3V60
R622
0.1W 10k
R624
0.1W 10k
R626
0.1W 10k
R623
0.5W 47
R625
0.5W 47
R627
0.5W 47
ZD601
MA4047N
C610
25V 0.22
R628
0.25W 33
Q602
2SD2185
Q603
2SB1440
R629
0.1W 150k
R630
0.1W 59k
R631
0.1W 110k
R632
0.1W 110k
R633
0.1W 110k
R634
0.1W 110k
R635
0.1W 110k
R636
0.1W 110k
C612
450V 220
C613
450V 220
C614
450V 220
TP2
RT01T1.0B
C615
250V 220p
X1
PFC
(P2/2)
X3
PG
(P2/2)
MC601
MLLPF562
PFC CONTROL
<Exchange board only>
Vin
OCL
Vcc
G-OCL
S+
GATE
AC_ON
ON/OFF
GND
NC
R621
0.1W 100
C611
50V 22
X8
BIAS_PFC
(P2/2)
X3
BIAS_GND
(P2/2)
R506
0.1W 825k
R507
0.1W 825k
R508
0.1W 825k
ZD501
MA8300
X21
AC_L
(P2/2)
R509
0.1W 825k
R510
0.1W 825k
R511
0.1W 825k
ZD502
MA8300
X22
AC_N
(P2/2)
D501
S1WBA80
AC +
AC −
X2
STB
(P2/2)
C501
0.01
X4
PG_STB
(P2/2)
P-BOARD ETX2MM681MFS (1/2)
TH-42PZ77U
P-Board (1 of 2) Schematic Diagram
TH-42PZ77U
P-Board (1 of 2) Schematic Diagram

15.5. P-Board (2 of 2) Schematic Diagram


P-BOARD ETX2MM681MFS (2/2)
MC501 MLTZB100 POWER CONTROL <Exchange board only>
IC501 MIP3E30MP IPD
MC502 MLJHA103 BIAS/PFC ON/OFF CONTROL <Exchange board only>
MC301 MLQNF682 Vda/STB POWER CONTROL <Exchange board only>
MC201 MLQNF392 Vsus POWER CONTROL <Exchange board only>
MC202 MLKJA100 FET DRIVE <Exchange board only>
MC203 MP00R3A1 Vsus POWER SUPPLY <Exchange board only>
MC401 MLPSC223 Vda CONTROL <Exchange board only>
MC351 MLJFF103 ON/OFF CONTROL <Exchange board only>
MC701 MLZDE103 POWER MCU <Exchange board only>
IC551 NJM1431AF
IC351 NJM1431AF
IC451 PQ1CN41H2Z
IC251 NJM1431AF
HOT
COLD
PFC (P1/2)
PG (P1/2)
BIAS_PFC (P1/2)
BIAS_GND (P1/2)
STB (P1/2)
PG_STB (P1/2)
AC_L (P1/2)
AC_N (P1/2)
RLY_RUSH (P1/2)
RLY_MAIN (P1/2)
STB_POW for Relay (P1/2)
TO SC-BOARD (SC2)
TO SS-BOARD (SS11)
TO SS-BOARD (SS12)
TO H-BOARD (H5)
TO H-BOARD (H10)
TO D-BOARD (D25)
TH-42PZ77U
P-Board (2 of 2) Schematic Diagram
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

15.6. PB-Board Block and Schematic Diagram


IC850
FAN CONTROL REGULATOR
VOLTAGE CONTROL
1
2
3
4
FAN +9V/+7.2V
H30
PB 30
DR15V
FAN SOS
MAIN9V
FAN CONT
1
3
4
5
D851
R851
D852
R852
D854
R854
D857
R857
PB 31
PB 32
PB 34
PB 37
RELAY
FAN A
FAN B
FAN C
FAN D
FAN SOS
SOS BLINKING TIMES:
LED 11 TIMES
PB
FAN CONTROL

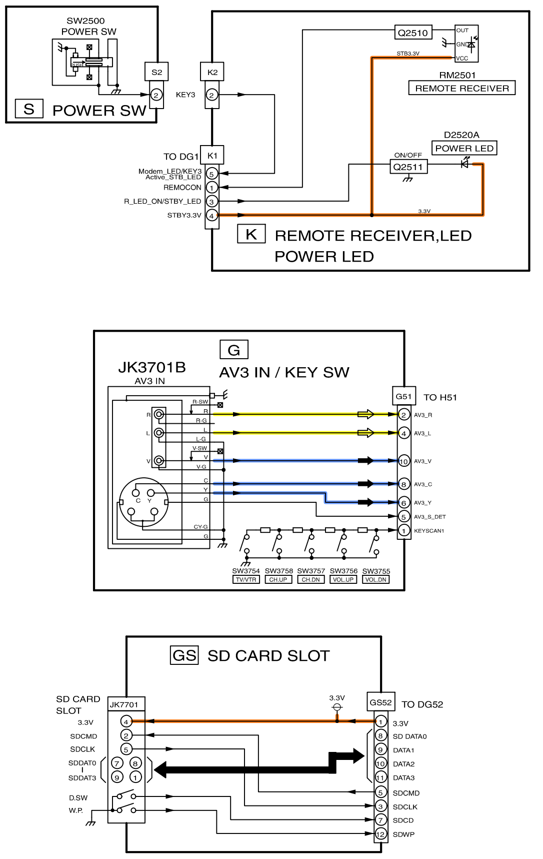

TO FAN
PB31
PB32
PB34
PB37
+B FOR FAN
GND FOR FAN
D851 MA2J11100L
D852 MA2J11100L
D854 MA2J11100L
D857 MA2J11100L
R851 4.7k
R852 4.7k
R854 4.7k
R857 4.7k
9V
9V
C858 25V 0.1u
IC850
C0DBAZF00003
FAN CONTROL REGULATOR
Vin
Vout(sw)
GND
Vadj
ON/OFF
R869 1k
TP850
TP852
TP851
TP853
C869 25V 470u
C861 25V 0.1u
C862 25V 0.1u
C860 25V 470u
D859 B0JCME000037
L852 G0C101KA0167
R859 2k
R871 13k
R872 620
R867 0
D860 MAZ81100ML
R861 4.7k
R874 470
D861 MA2J11100L
D862 MAZ80330LL
C859 25V 0.1u
PB30
TO H-BOARD (H30)
DR15V
GND
FAN SOS
Main9V
Fan cont

PB-BOARD TNPA4243AES

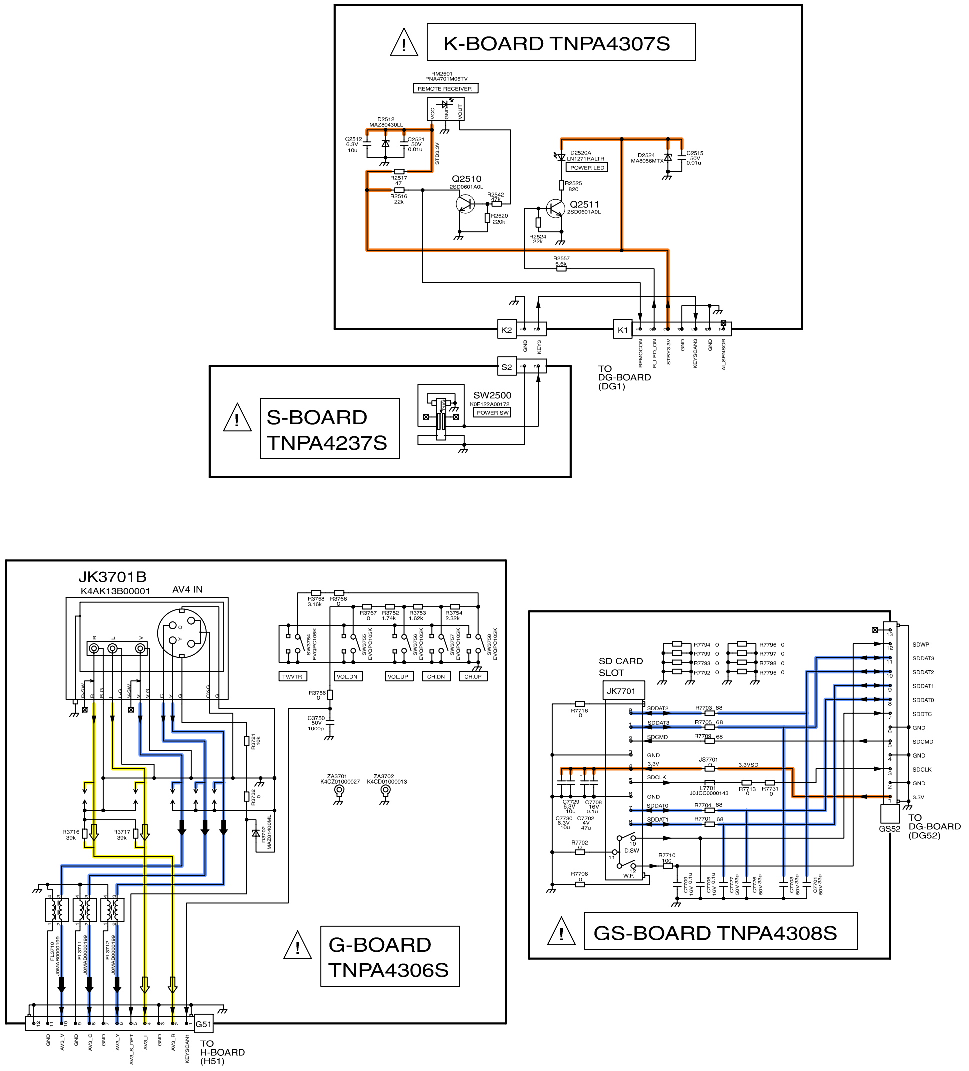
A
B
C
D
E

1 2 3 4 5 6 7 8

15.7. G, GS, K and S-Board Block ans Schematic Diagram

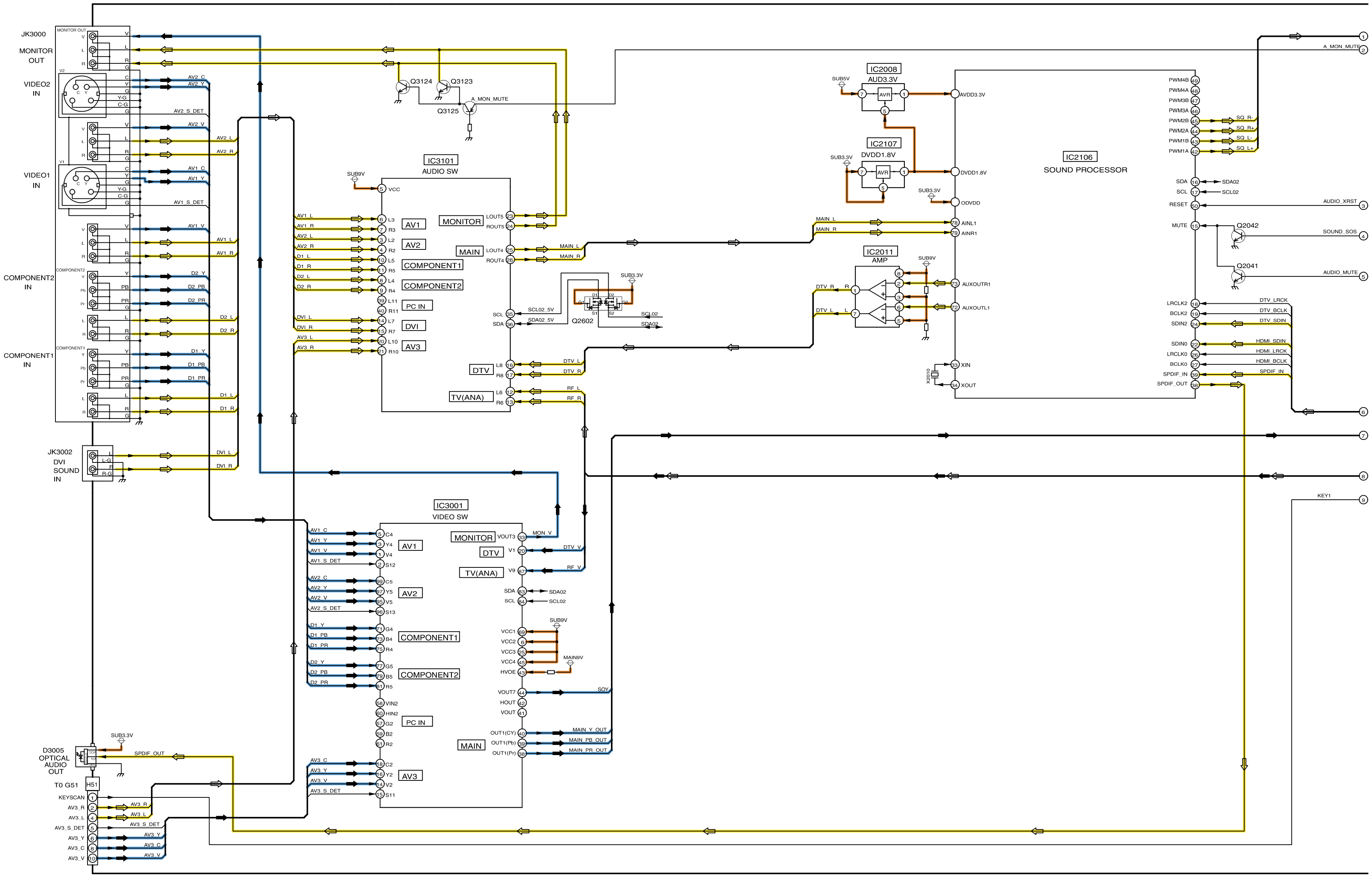

SW2500
POWER SW
S POWER SW
S2
K2
KEY3
TO DG1
K1
Modem_LED/KEY3
Active_STB_LED
REMOCON
R_LED_ON/STBY_LED
STBY3.3V
Q2510
STB3.3V
RM2501
REMOTE RECEIVER
D2520A
POWER LED
ON/OFF
Q2511
3.3V
K REMOTE RECEIVER,LED POWER LED
JK3701B
AV3 IN
G
AV3 IN / KEY SW
G51
TO H51
AV3_R
AV3_L
AV3_V
AV3_C
AV3_Y
AV3_S_DET
KEYSCAN1
SW3754 TV/VTR
SW3758 CH.UP
SW3757 CH.DN
SW3756 VOL.UP
SW3755 VOL.DN
GS SD CARD SLOT
SD CARD SLOT
JK7701
3.3V
SDCMD
SDCLK
SDDAT0
SDDAT3
D.SW
W.P.
GS52
TO DG52
3.3V
SD DATA0
DATA1
DATA2
DATA3
SDCMD
SDCLK
SDCD
SDWP

TH-42PZ77U
G, GS, K and S-Board Block and Schematic Diagram


K-BOARD TNPA4307S
RM2501
PNA4701M05TV
REMOTE RECEIVER
D2512
MAZ8043OLL
C2512
6.3V
10u
C2521
50V
0.01u
STB3.3V
Q2510
2SD0601A0L
R2517
47
R2516
22k
R2542
R2520
220k
D2520A
LN1271RALTR
POWER LED
R2525
820
Q2511
2SD0601A0L
R2524
22k
D2524
MA8056MTX
C2515
50V
0.01u
R2557
K2
K1
GND
KEY3
REMOCON
R_LED_ON
STBY3.3V
GND
KEYSCAN3
GND
AI_SENSOR
TO DG-BOARD (DG1)
S2
SW2500
K0F122A00172
POWER SW
S-BOARD TNPA4237S
JK3701B
K4AK13B00001
AV4 IN
R3758 3.16k
R3766 0
R3767 0
R3752 1.74k
R3753 1.62k
R3754 2.32k
SW3754 EVQPC105K
SW3755 EVQPC105K
SW3756 EVQPC105K
SW3757 EVQPC105K
SW3758 EVQPC105K
TV/VTR
VOL.DN
VOL.UP
CH.DN
CH.UP
R3756 0
C3750 50V 1000p
R3721 10k
R3722 0
D3702 MAZ8140OML
ZA3701 K4CZ01000027
ZA3702 K4CD01000013
R3716 39k
R3717 39k
FL3710 J0MAB0000199
FL3711 J0MAB0000199
FL3712 J0MAB0000199
G-BOARD TNPA4306S
GND
AV3_V
GND
AV3_C
GND
AV3_Y
AV3_S_DET
AV3_L
GND
AV3_R
KEYSCAN1
G51
TO H-BOARD (H51)
SD CARD SLOT
JK7701
R7716 0
R7794 0
R7799 0
R7793 0
R7792 0
R7796 0
R7797 0
R7798 0
R7795 0
SDDAT2
SDDAT3
SDCMD
GND
3.3V
SDCLK
GND
SDDAT0
SDDAT1
R7703 68
R7705 68
R7706 68
JS7701
3.3VSD
L7701
J0JCC0000143
R7713 0
R7731 0
R7704 68
R7701 68
C7729 6.3V 10u
C7708 16V 0.1u
C7730 6.3V 10u
C7702 4V 47u
R7702
R7708 0
R7710 100
D.SW
W.P.
C7709 16V 0.1u
C7705 16V 0.1u
C7727 50V 10p
C7726 50V 39p
C7703 50V 39p
C7701 50V 39p
SDWP
SDDAT3
SDDAT2
SDDAT1
SDDAT0
SDDTC
GND
SDCMD
GND
SDCLK
GND
3.3V
GS52
TO DG-BOARD (DG52)
GS-BOARD TNPA4308S

TH-42PZ77U
G, GS, K and S-Board Block and Schematic Diagram

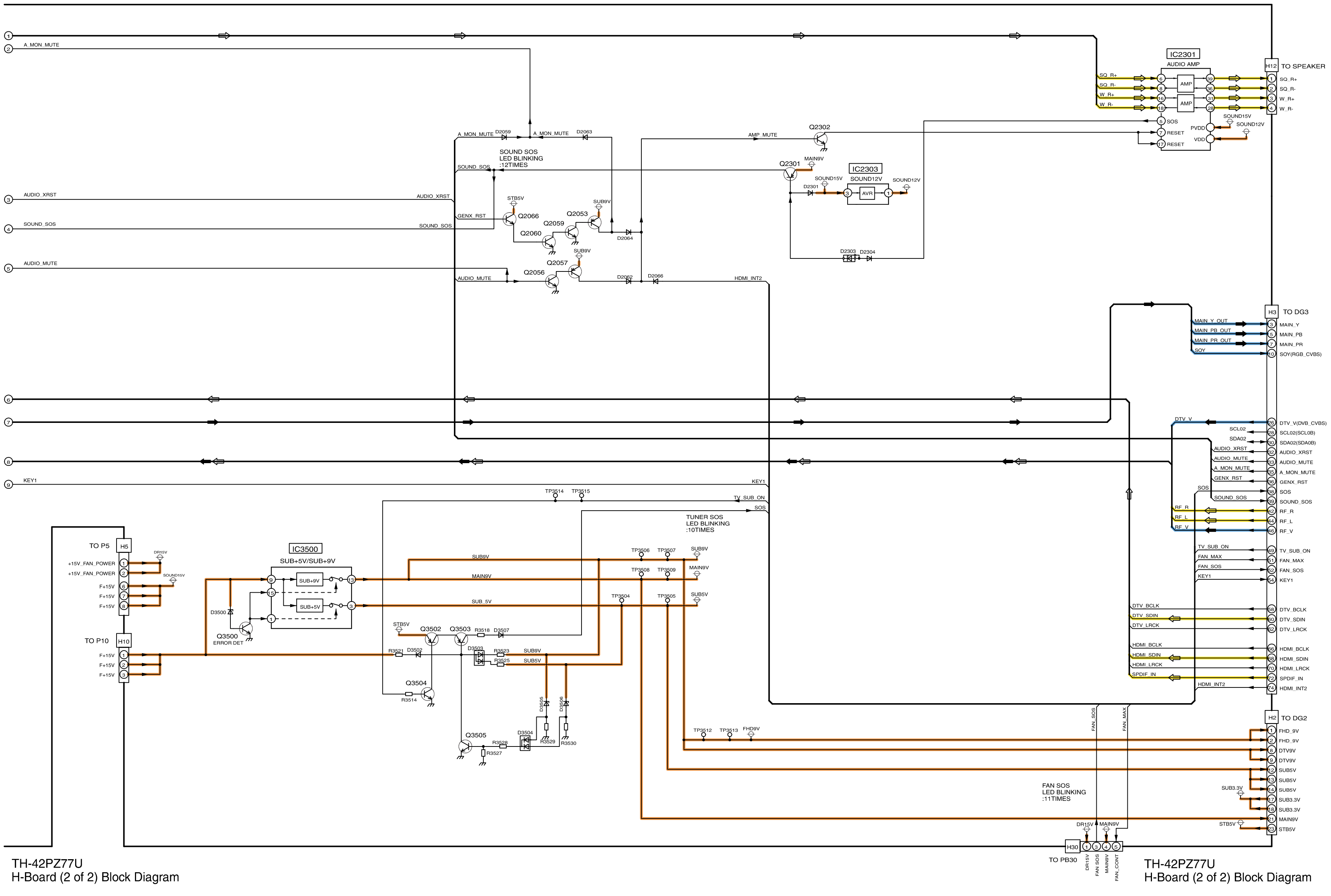
15.8. H-Board (1 of 2) Block Diagram


JK3000
MONITOR OUT
VIDEO2 IN
VIDEO1 IN
COMPONENT2 IN
COMPONENT1 IN
JK3002
DVI SOUND IN
D3005
OPTICAL AUDIO OUT
SUB3.3V
SPDIF_OUT
TO G51
H51
KEYSCAN
AV3_R
AV3_L
AV3_S_DET
AV3_Y
AV3_C
AV3_V
Q3124
Q3123
Q3125
A_MON_MUTE
IC3101
AUDIO SW
SUB9V
VCC
AV1
AV2
COMPONENT1
COMPONENT2
PC IN
DVI
AV3
MONITOR
MAIN
DTV
TV(ANA)
LOUT5
ROUT5
LOUT4
ROUT4
SCL
SDA
SCL02_5V
SDA02_5V
Q2602
SUB3.3V
SCL02
SDA02
MAIN_L
MAIN_R
DTV_L
DTV_R
RF_L
RF_R
IC2008
AUD3.3V
SUB5V
AVR
IC2107
DVDD1.8V
SUB3.3V
IC2011
AMP
SUB9V
IC2106
SOUND PROCESSOR
AVDD3.3V
DVDD1.8V
ODVDD
AINL1
AINR1
AUXOUTR1
AUXOUTL1
XIN
XOUT
X2010
PWM4B
PWM4A
PWM3B
PWM3A
PWM2B
PWM2A
PWM1B
PWM1A
SQ_R-
SQ_R+
SQ_L-
SQ_L+
SDA
SCL
RESET
MUTE
SDA02
SCL02
Q2042
Q2041
LRCLK2
BCLK2
SDIN2
SDIN0
LRCLK0
BCLK0
SPDIF_IN
SPDIF_OUT
DTV_LRCK
DTV_BCLK
DTV_SDIN
HDMI_SDIN
HDMI_LRCK
HDMI_BCLK
SPDIF_IN
A_MON_MUTE
AUDIO_XRST
SOUND_SOS
AUDIO_MUTE
KEY1
IC3001
VIDEO SW
MONITOR
DTV
TV(ANA)
VOUT3
V1
V9
MON_V
DTV_V
RF_V
SDA
SCL
SDA02
SCL02
SUB9V
MAIN9V
VCC1
VCC2
VCC3
VCC4
HVOE
VOUT7
HOUT
VOUT
SOY
OUT1(CY)
OUT1(Pb)
OUT1(Pr)
MAIN_Y_OUT
MAIN_PB_OUT
MAIN_PR_OUT
AV1
AV2
COMPONENT1
COMPONENT2
PC IN
MAIN
AV3
AV1_C
AV1_Y
AV1_V
AV1_S_DET
AV2_C
AV2_Y
AV2_V
AV2_S_DET
D1_Y
D1_PB
D1_PR
D2_Y
D2_PB
D2_PR
AV3_C
AV3_Y
AV3_V
AV3_S_DET
1
2
3
4
5
6
7
8
9

TH-42PZ77U
H-Board (1 of 2) Block Diagram

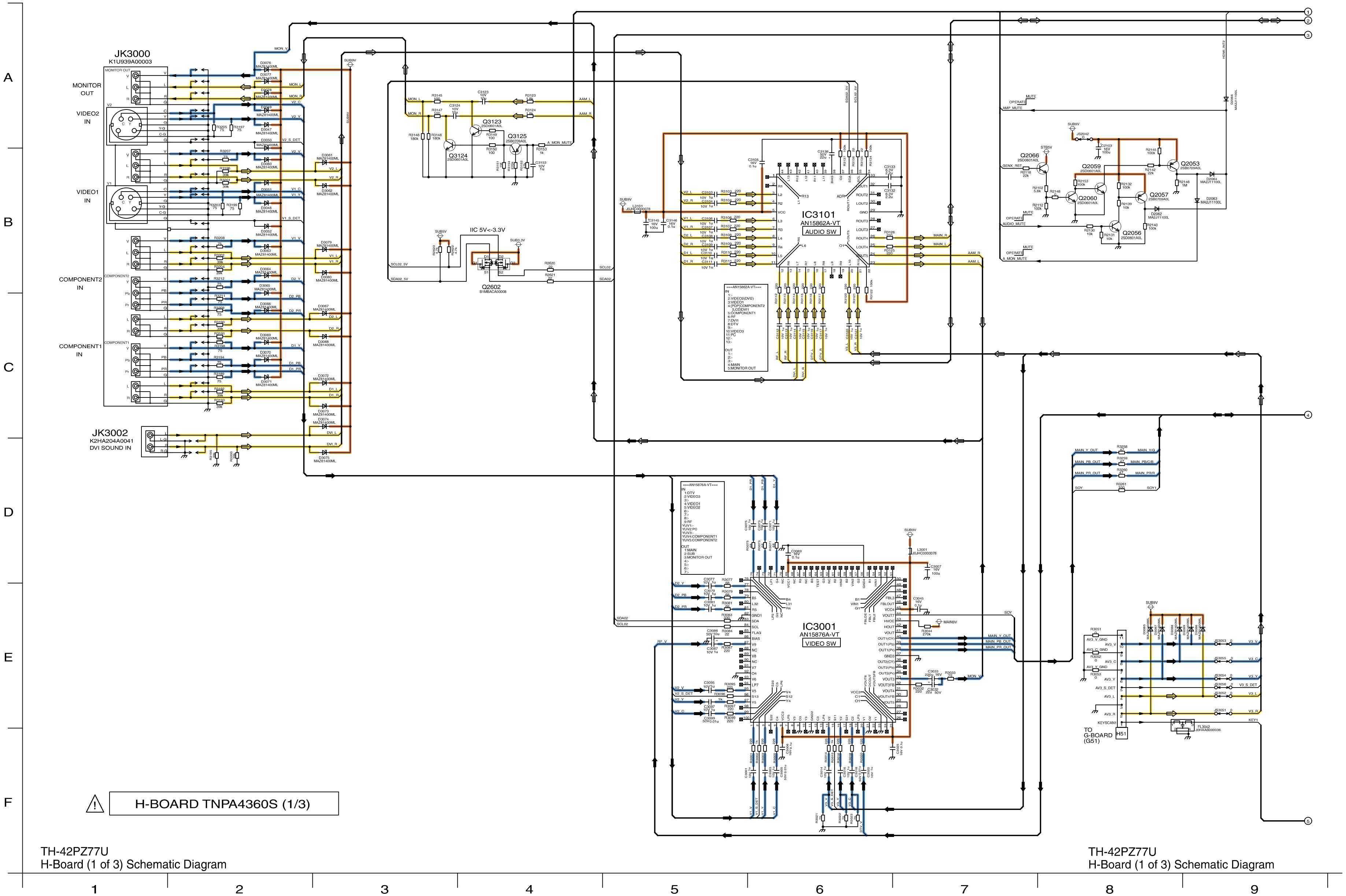
TH-42PZ77U
H-Board (1 of 2) Block Diagram

15.9. H-Board (2 of 2) Block Diagram



A_MON_MUTE
AUDIO_XRST
SOUND_SOS
AUDIO_MUTE
KEY1
IC2301
AUDIO AMP
AMP
SQ_R+
SQ_R-
W_R+
W_R-
SOS
RESET
PVDD
VDD
SOUND15V
SOUND12V
H12
TO SPEAKER
AMP_MUTE
Q2302
Q2301
MAIN9V
D2301
IC2303
AVR
D2303
D2304
SOUND SOS
LED BLINKING
:12TIMES
D2059
D2063
GENX_RST
STB5V
SUB9V
Q2066
Q2059
Q2053
Q2060
Q2057
Q2056
D2064
D2062
D2066
HDMI_INT2
H3
TO DG3
MAIN_Y_OUT
MAIN_PB_OUT
MAIN_PR_OUT
SOY
MAIN_Y
MAIN_PB
MAIN_PR
SOY(RGB_CVBS)
DTV_V
DTV_V(DVB_CVBS)
SCL02
SCL02(SCL0B)
SDA02
SDA02(SDA0B)
GENX_RST
SOS
SOUND_SOS
RF_R
RF_L
RF_V
TV_SUB_ON
FAN_MAX
FAN_SOS
KEY1
DTV_BCLK
DTV_SDIN
DTV_LRCK
HDMI_BCLK
HDMI_SDIN
HDMI_LRCK
SPDIF_IN
HDMI_INT2
H2
TO DG2
FHD_9V
DTV9V
SUB5V
SUB3.3V
MAIN9V
STB5V
TP3514
TP3515
TUNER SOS
LED BLINKING
:10TIMES
TO P5
H5
+15V_FAN_POWER
F+15V
DR15V
SOUND15V
IC3500
SUB+5V/SUB+9V
SUB+9V
SUB+5V
D3500
Q3500
ERROR DET
TO P10
H10
SUB9V
MAIN9V
SUB_5V
TP3506
TP3507
TP3508
TP3509
TP3504
TP3505
Q3502
Q3503
R3518
D3507
R3521
D3502
D3503
R3523
R3525
Q3504
R3514
D3505
D3506
Q3505
D3504
R3528
R3527
R3529
R3530
TP3512
TP3513
FHD9V
FAN SOS
LED BLINKING
:11TIMES
H30
TO PB30
DR15V
FAN_CONT
TH-42PZ77U
H-Board (2 of 2) Block Diagram

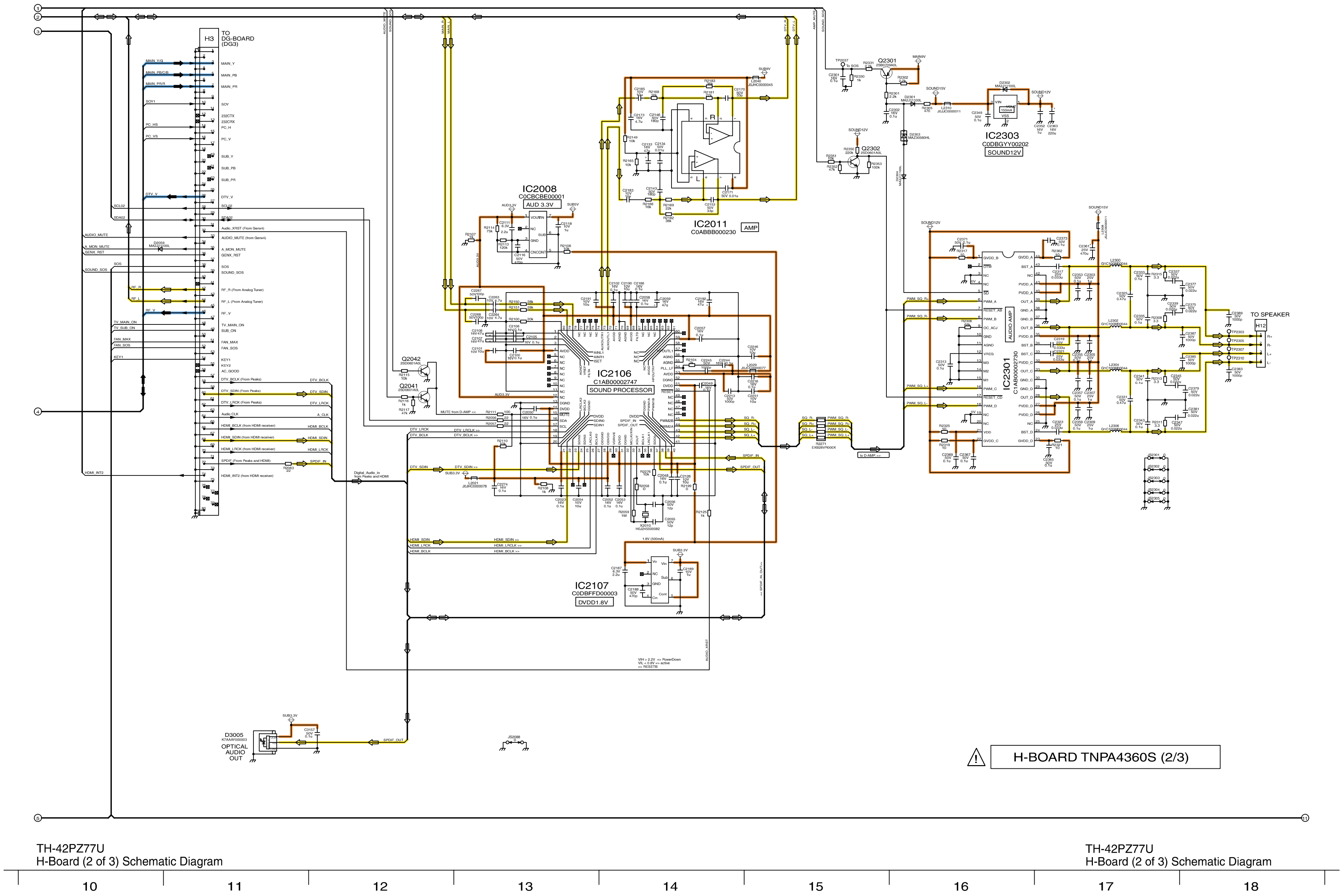
15.10. H-Board (1 of 3) Schematic Diagram


JK3000
K1U939A00003
MONITOR OUT
VIDEO2 IN
VIDEO1 IN
COMPONENT2 IN
COMPONENT1 IN
JK3002
K2HA204A0041
DVI SOUND IN
Q3123
Q3124
Q3125
IIC 5V<-3.3V
Q2602
B1MBACA00008
IC3101
AN15862A-VT
AUDIO SW
IC3001
AN15876A-VT
VIDEO SW
Q2053
Q2056
Q2057
Q2059
Q2060
Q2066
TO G-BOARD (G51)
H51
H-BOARD TNPA4360S (1/3)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

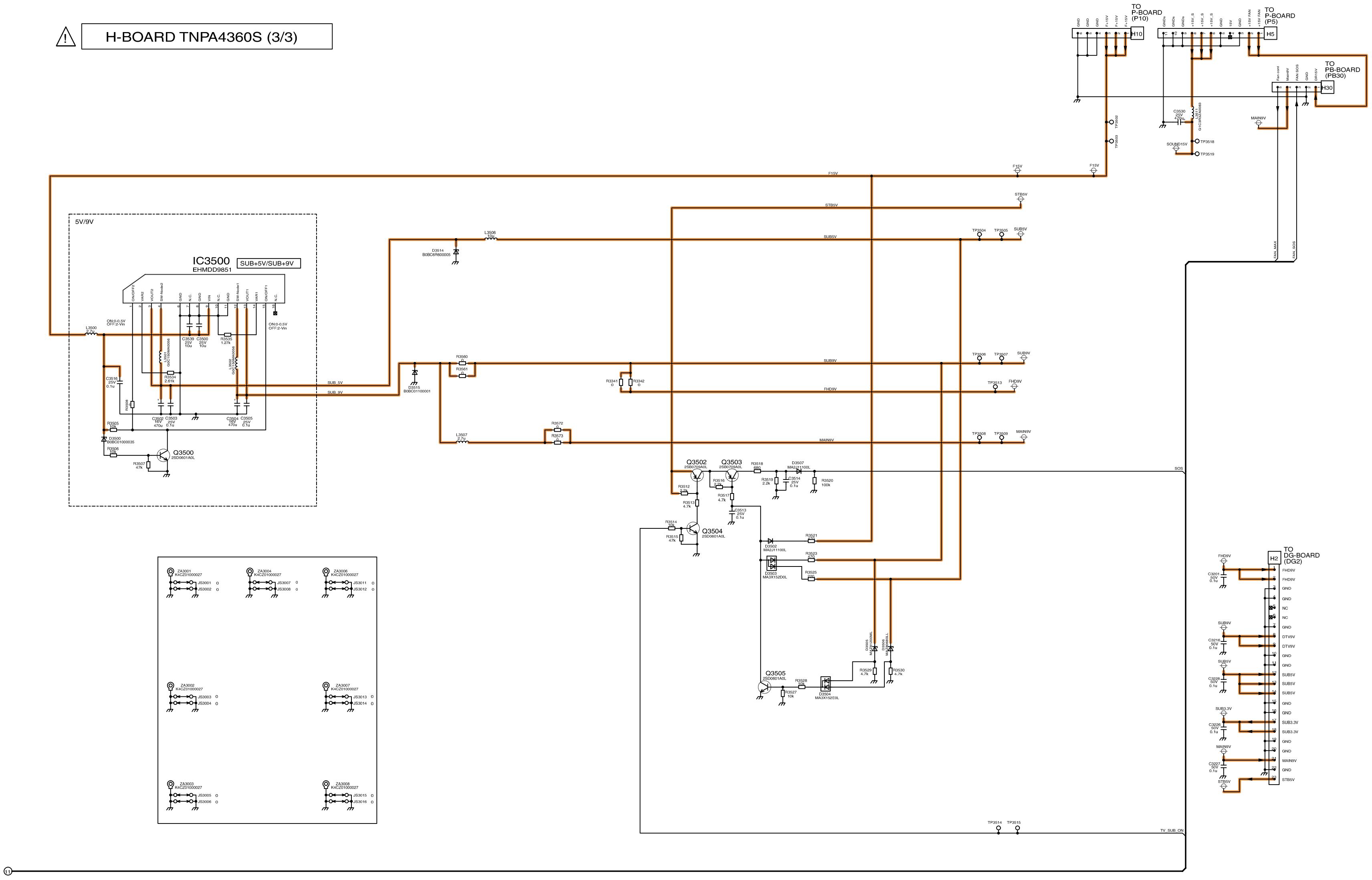
TH-42PZ77U
H-Board (1 of 3) Schematic Diagram

TH-42PZ77U
H-Board (1 of 3) Schematic Diagram

15.11. H-Board (2 of 3) Schematic Diagram


TO DG-BOARD (DG3)
H3
IC2008
C0CBCBE00001
AUD 3.3V
IC2011
C0ABBB000230
AMP
IC2106
C1AB00002747
SOUND PROCESSOR
IC2107
C0DBFFD00003
DVDD1.8V
IC2303
C0DBGYY00202
SOUND12V
IC2301
C1AB00002730
AUDIO AMP
Q2041
Q2042
Q2301
Q2302
D3005
K7AAAF000003
OPTICAL AUDIO OUT
TO SPEAKER
H12
R+
R-
L+
L-
VIH > 2.2V => PowerDown
VIL < 0.8V => active
>> RESETB
H-BOARD TNPA4360S (2/3)
TH-42PZ77U
H-Board (2 of 3) Schematic Diagram
TH-42PZ77U
H-Board (2 of 3) Schematic Diagram
10
11
12
13
14
15
16
17
18

15.12. H-Board (3 of 3) Schematic Diagram

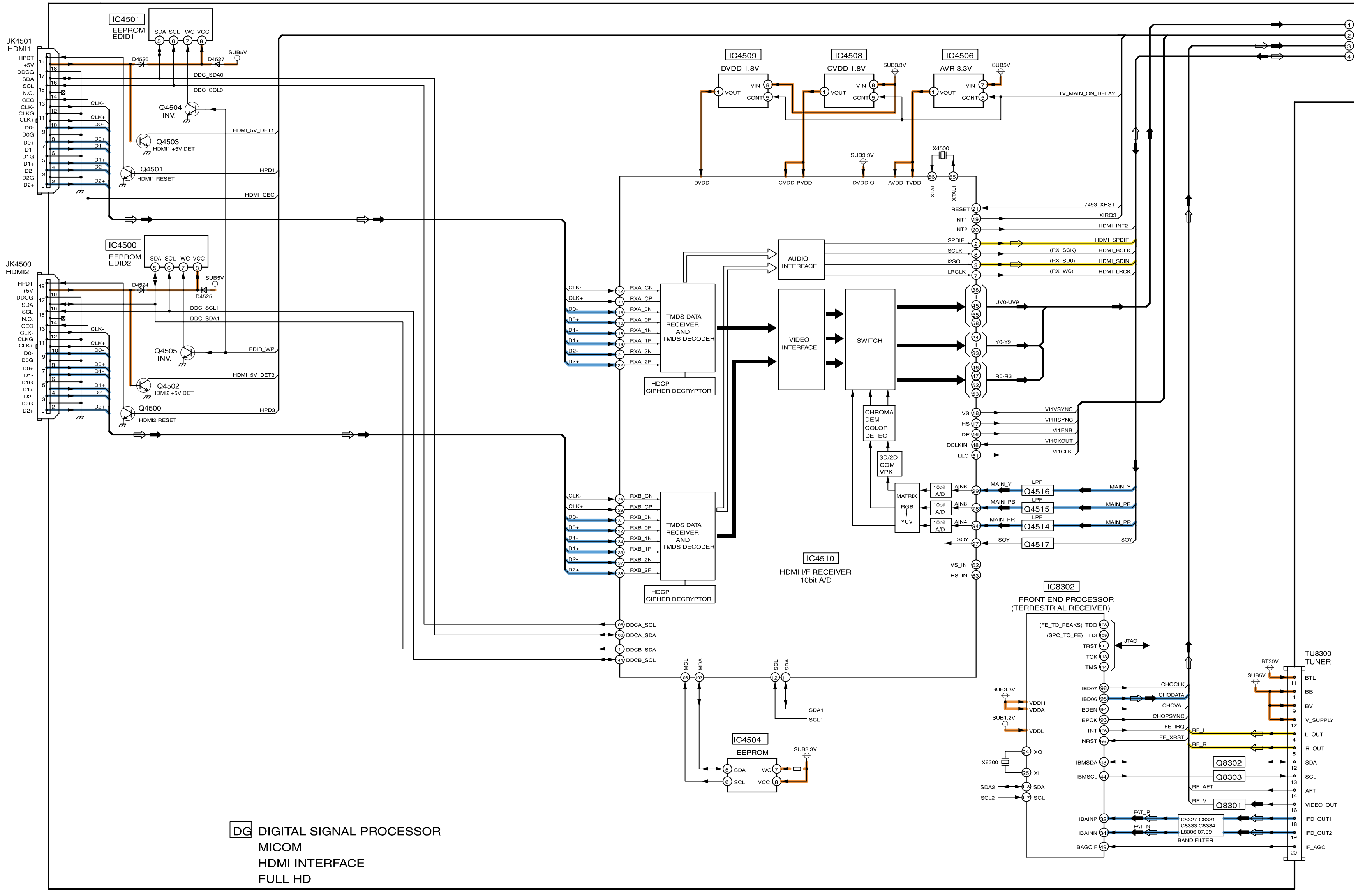

H-BOARD TNPA4360S (3/3)
5V/9V
IC3500
EHMDD9851
SUB+5V/SUB+9V
Q3500
Q3502
Q3503
Q3504
Q3505
TO P-BOARD (P10)
H10
TO P-BOARD (P5)
H5
TO PB-BOARD (PB30)
H30
TO DG-BOARD (DG2)
H2
F15V
STB5V
SUB5V
SUB9V
FHD9V
MAIN9V
SUB_5V
SUB_9V
SOS
TV_SUB_ON
FAN_MAX
FAN_SOS
SOUND15V
ZA3001
ZA3002
ZA3003
ZA3004
ZA3006
ZA3007
ZA3008

TH-42PZ77U
H-Board (3 of 3) Schematic Diagram

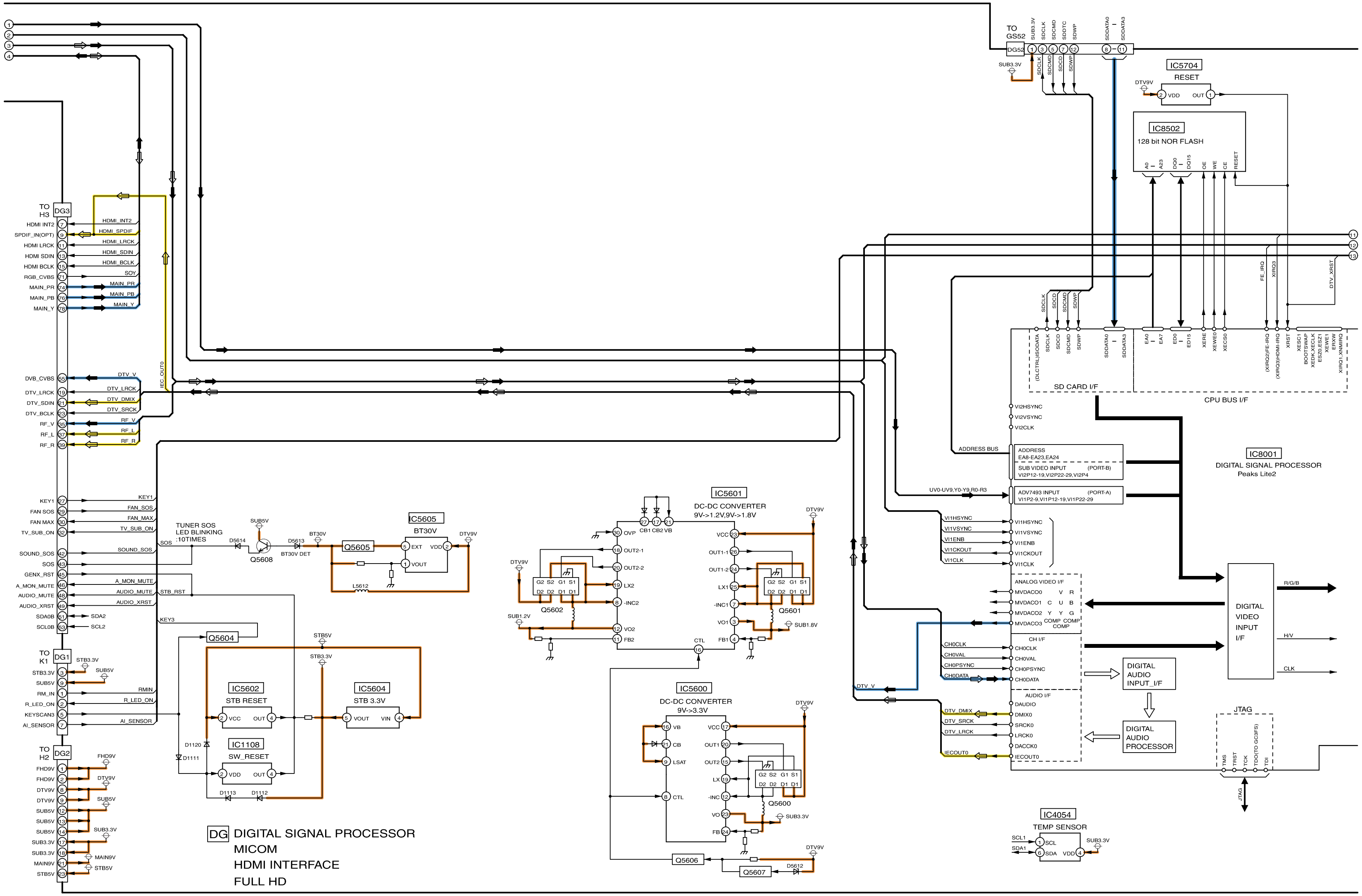
TH-42PZ77U
H-Board (3 of 3) Schematic Diagram

19	20	21	22	23	24	25	26	27

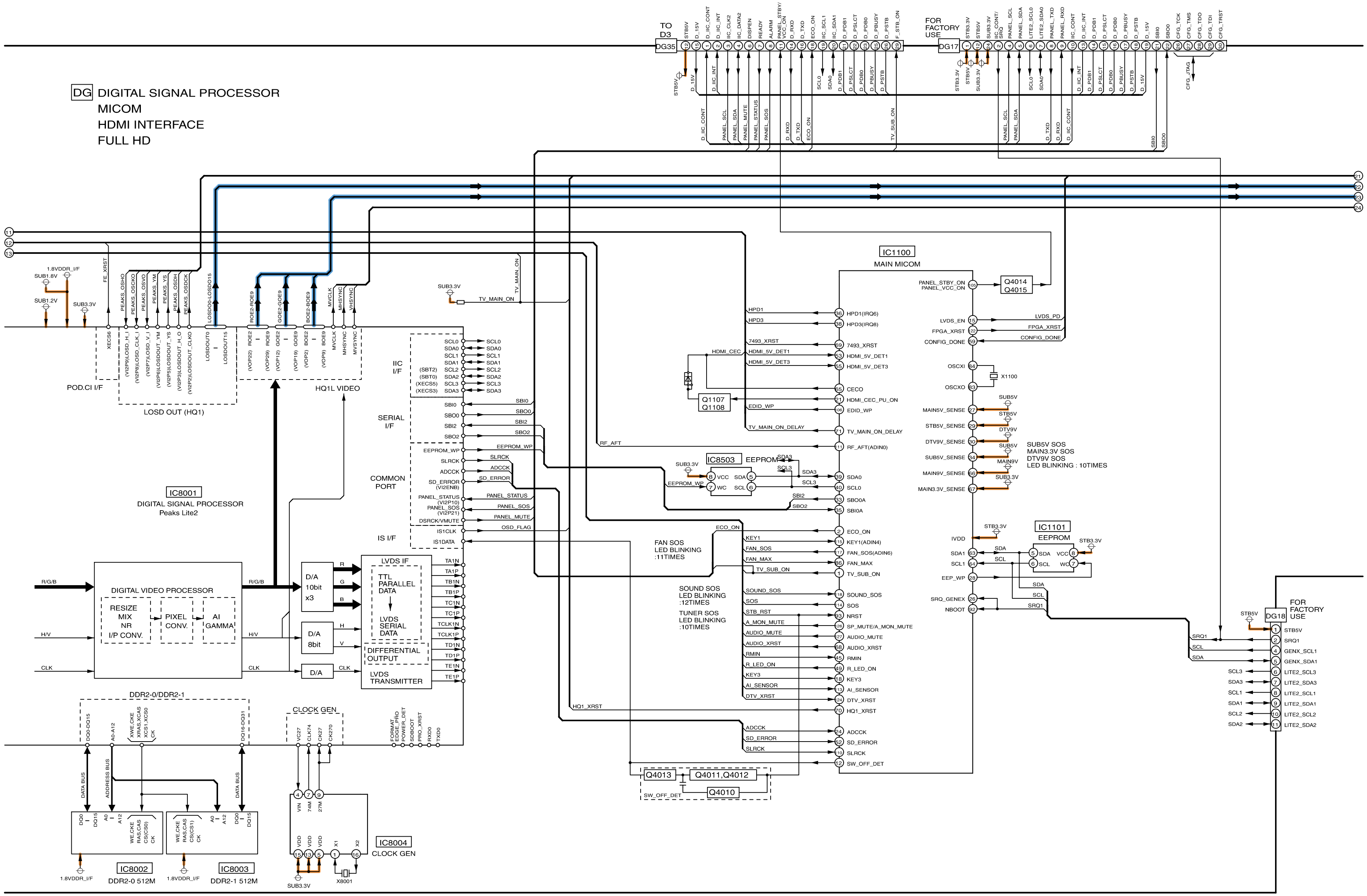
15.13. DG-Board (1 of 4) Block Diagram


JK4501
HDMI1
HPDT
+5V
DDCG
SDA
SCL
N.C.
CEC
CLK-
CLKG
CLK+
D0-
D0G
D0+
D1-
D1G
D1+
D2-
D2G
D2+
IC4501
EEPROM
EDID1
SDA SCL WC VCC
D4526
D4527
SUB5V
DDC_SDA0
DDC_SCL0
Q4504
INV.
HDMI_5V_DET1
Q4503
HDMI1 +5V DET
Q4501
HDMI1 RESET
HPD1
HDMI_CEC
JK4500
HDMI2
IC4500
EEPROM
EDID2
D4524
D4525
DDC_SCL1
DDC_SDA1
Q4505
INV.
EDID_WP
HDMI_5V_DET3
Q4502
HDMI2 +5V DET
Q4500
HDMI2 RESET
HPD3
IC4509
DVDD 1.8V
IC4508
CVDD 1.8V
IC4506
AVR 3.3V
VIN
VOUT
CONT
SUB3.3V
SUB5V
TV_MAIN_ON_DELAY
X4500
DVDD
CVDD PVDD
DVDDIO
AVDD TVDD
XTAL
XTAL1
RESET
INT1
INT2
7493_XRST
XIRQ3
HDMI_INT2
SPDIF
SCLK
I2SO
LRCLK
HDMI_SPDIF
(RX_SCK) HDMI_BCLK
(RX_SD0) HDMI_SDIN
(RX_WS) HDMI_LRCK
AUDIO INTERFACE
VIDEO INTERFACE
SWITCH
UV0-UV9
Y0-Y9
R0-R3
VS
HS
DE
DCLKIN
LLC
VI1VSYNC
VI1HSYNC
VI1ENB
VI1CKOUT
VI1CLK
CHROMA DEM COLOR DETECT
3D/2D COM VPK
MATRIX
RGB
YUV
10bit A/D
AIN6
AIN8
AIN4
MAIN_Y
MAIN_PB
MAIN_PR
LPF
Q4516
Q4515
Q4514
Q4517
SOY
VS_IN
HS_IN
RXA_CN
RXA_CP
RXA_0N
RXA_0P
RXA_1N
RXA_1P
RXA_2N
RXA_2P
TMDS DATA RECEIVER AND TMDS DECODER
HDCP CIPHER DECRYPTOR
RXB_CN
RXB_CP
RXB_0N
RXB_0P
RXB_1N
RXB_1P
RXB_2N
RXB_2P
IC4510
HDMI I/F RECEIVER
10bit A/D
DDCA_SCL
DDCA_SDA
DDCB_SDA
DDCB_SCL
MCL
MDA
SCL
SDA
SDA1
SCL1
IC4504
EEPROM
SDA
SCL
WC
VCC
SUB3.3V
IC8302
FRONT END PROCESSOR
(TERRESTRIAL RECEIVER)
(FE_TO_PEAKS) TDO
(SPC_TO_FE) TDI
TRST
TCK
TMS
JTAG
SUB3.3V
VDDH
VDDA
SUB1.2V
VDDL
XO
XI
X8300
SDA2
SCL2
IBD07
IBD06
IBDEN
IBPCK
INT
NRST
IBMSDA
IBMSCL
IBAINP
IBAINN
IBAGCIF
CHOCLK
CHODATA
CHOVAL
CHOPSYNC
FE_IRQ
FE_XRST
RF_L
RF_R
RF_AFT
RF_V
Q8302
Q8303
Q8301
FAT_P
FAT_N
C8327-C8331
C8333,C8334
L8306,07,09
BAND FILTER
TU8300
TUNER
BT30V
SUB5V
BTL
BB
BV
V_SUPPLY
L_OUT
R_OUT
SDA
SCL
AFT
VIDEO_OUT
IFD_OUT1
IFD_OUT2
IF_AGC
1
2
3
4
DG
DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
FULL HD

15.14. DG-Board (2 of 4) Block Diagram


TO H3
DG3
HDMI INT2
SPDIF_IN(OPT)
HDMI LRCK
HDMI SDIN
HDMI BCLK
RGB_CVBS
MAIN_PR
MAIN_PB
MAIN_Y
HDMI_INT2
HDMI_SPDIF
HDMI_LRCK
HDMI_SDIN
HDMI_BCLK
SOY
MAIN_PR
MAIN_PB
MAIN_Y
IEC_OUT0
DVB_CVBS
DTV_LRCK
DTV_SDIN
DTV_BCLK
RF_V
RF_L
RF_R
DTV_V
DTV_LRCK
DTV_DMIX
DTV_SRCK
KEY1
FAN SOS
FAN MAX
TV_SUB_ON
SOUND_SOS
SOS
GENX_RST
A_MON_MUTE
AUDIO_MUTE
AUDIO_XRST
SDA0B
SCL0B
FAN_SOS
FAN_MAX
A_MON_MUTE
AUDIO_MUTE
AUDIO_XRST
STB_RST
KEY3
SDA2
SCL2
TUNER SOS
LED BLINKING
:10TIMES
SUB5V
D5614
Q5608
BT30V
D5613
BT30V DET
Q5605
IC5605
BT30V
EXT
VDD
VOUT
DTV9V
L5612
TO K1
DG1
STB3.3V
SUB5V
RM_IN
R_LED_ON
KEYSCAN3
AI_SENSOR
RMIN
R_LED_ON
AI_SENSOR
Q5604
STB5V
STB3.3V
IC5602
STB RESET
VCC
OUT
IC5604
STB 3.3V
VOUT
VIN
IC1108
SW_RESET
VDD
OUT
D1120
D1111
D1113
D1112
TO H2
DG2
FHD9V
DTV9V
SUB5V
SUB3.3V
MAIN9V
STB5V
DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
FULL HD
IC5601
DC-DC CONVERTER
9V->1.2V,9V->1.8V
OVP
OUT2-1
OUT2-2
LX2
-INC2
VO2
FB2
CB1 CB2 VB
VCC
OUT1-1
OUT1-2
LX1
-INC1
VO1
FB1
CTL
Q5602
Q5601
G2 S2 G1 S1
D2 D2 D1 D1
SUB1.2V
SUB1.8V
IC5600
DC-DC CONVERTER
9V->3.3V
VB
CB
LSAT
CTL
VCC
OUT1
OUT2
LX
-INC
VO
FB
Q5600
SUB3.3V
Q5606
Q5607
D5612
TO GS52
DG52
SUB3.3V
SDCLK
SDCMD
SDDTC
SDWP
SDDATA0
SDDATA3
IC5704
RESET
VDD
OUT
IC8502
128 bit NOR FLASH
A0 – A23
DQ0 – DQ15
OE
WE
CE
RESET
FE_IRQ
XIRQ3
DTV_XRST
(DLCTRL)SDDATA
SDCLK
SDCD
SDCMD
SDWP
SDDATA0 – SDDATA3
EA0 – EA7
ED0 – ED15
XERE
XEWE0
XECS0
(XIRQ2)FE-IRQ
(XIRQ3)HDMI-IRQ
XRST
XESC1
BOOTSWAP
XEDK,XECLK
ES20,ES21
XEWE1
ERXW
XIRQ1,XNMIRQ
SD CARD I/F
CPU BUS I/F
VI2HSYNC
VI2VSYNC
VI2CLK
ADDRESS BUS
ADDRESS
EA8-EA23,EA24
SUB VIDEO INPUT (PORT-B)
VI2P12-19,VI2P22-29,VI2P4
UV0-UV9,Y0-Y9,R0-R3
ADV7493 INPUT (PORT-A)
VI1P2-9,VI1P12-19,VI1P22-29
VI1HSYNC
VI1VSYNC
VI1ENB
VI1CKOUT
VI1CLK
ANALOG VIDEO I/F
MVDAC00 V R
MVDAC01 C U B
MVDAC02 Y Y G
MVDAC03 COMP COMP COMP
CH I/F
CH0CLK
CH0VAL
CH0PSYNC
CH0DATA
AUDIO I/F
DAUDIO
DMIX0
SRCK0
LRCK0
DACCK0
IECOUT0
DTV_V
DTV_DMIX
DTV_SRCK
DTV_LRCK
IECOUT0
IC8001
DIGITAL SIGNAL PROCESSOR
Peaks Lite2
DIGITAL VIDEO INPUT I/F
R/G/B
H/V
CLK
DIGITAL AUDIO INPUT_I/F
DIGITAL AUDIO PROCESSOR
JTAG
TMS
TRST
TCK
TDO(TO GC3FS)
TDI
IC4054
TEMP SENSOR
SCL1
SDA1
SCL
SDA
VDD
SUB3.3V

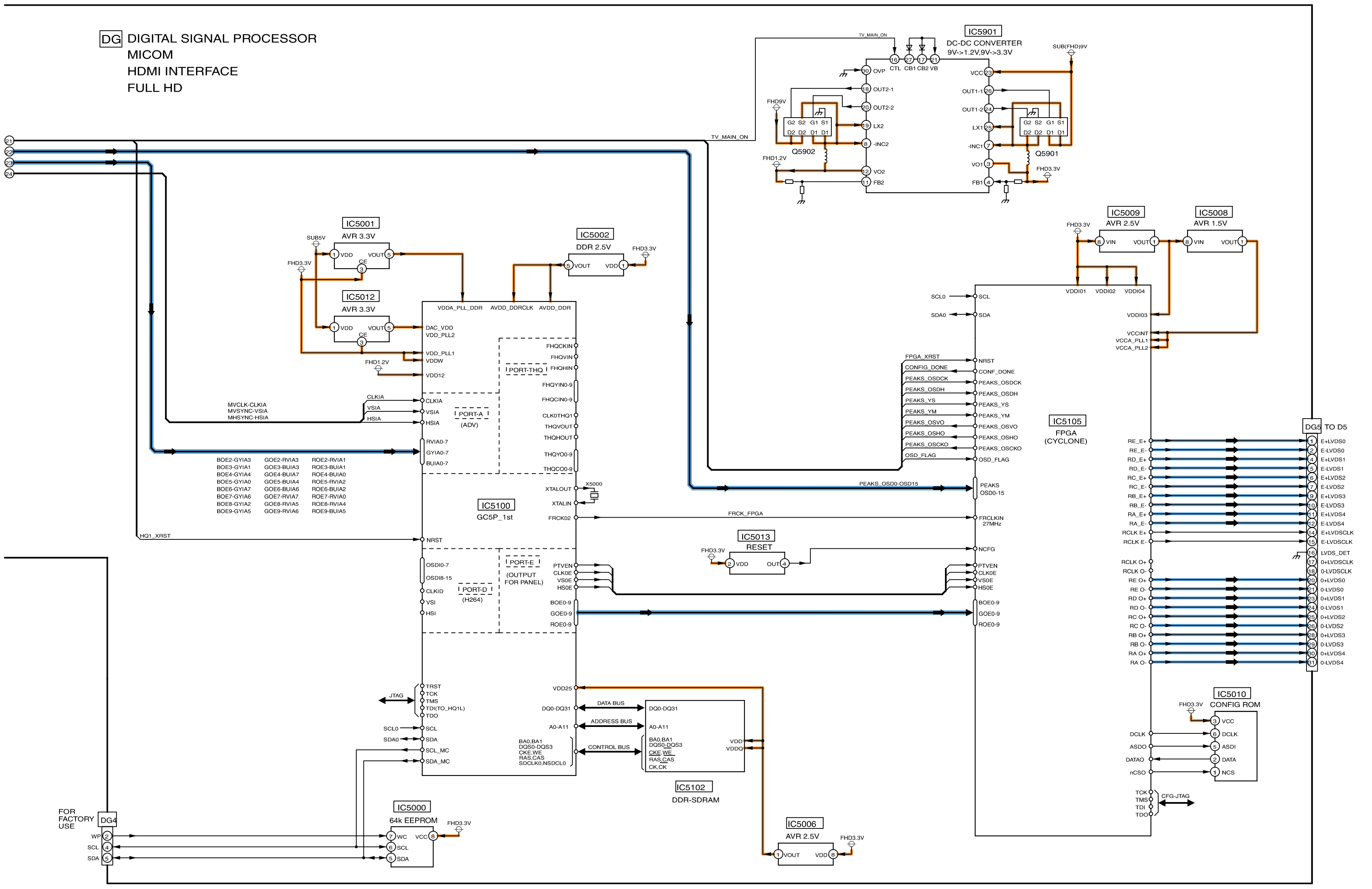
15.15. DG-Board (3 of 4) Block Diagram


DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
FULL HD
TO D3
DG35
FOR FACTORY USE
DG17
DG18
IC1100
MAIN MICOM
Q4014
Q4015
Q1107
Q1108
IC8503
EEPROM
IC1101
EEPROM
X1100
SUB5V SOS
MAIN3.3V SOS
DTV9V SOS
LED BLINKING : 10TIMES
FAN SOS
LED BLINKING
:11TIMES
SOUND SOS
LED BLINKING
:12TIMES
TUNER SOS
LED BLINKING
:10TIMES
Q4013
Q4011,Q4012
Q4010
SW_OFF_DET
IC8001
DIGITAL SIGNAL PROCESSOR
Peaks Lite2
POD.CI I/F
LOSD OUT (HQ1)
HQ1L VIDEO
IIC I/F
SERIAL I/F
COMMON PORT
IS I/F
DIGITAL VIDEO PROCESSOR
RESIZE
MIX
NR
I/P CONV.
PIXEL CONV.
AI GAMMA
D/A 10bit x3
D/A 8bit
D/A
LVDS IF
TTL PARALLEL DATA
LVDS SERIAL DATA
DIFFERENTIAL OUTPUT
LVDS TRANSMITTER
R/G/B
H/V
CLK
DDR2-0/DDR2-1
CLOCK GEN
DATA BUS
ADDRESS BUS
IC8002
DDR2-0 512M
IC8003
DDR2-1 512M
IC8004
CLOCK GEN
X8001
SUB3.3V
1.8VDDR_I/F
SUB1.8V
SUB1.2V
STB5V
STB3.3V
TV_MAIN_ON
RF_AFT
HQ1_XRST
FE_XRST
SRQ1
SCL
SDA

TH-42PZ77U
DG-Board (3 of 4) Block Diagram

TH-42PZ77U
DG-Board (3 of 4) Block Diagram

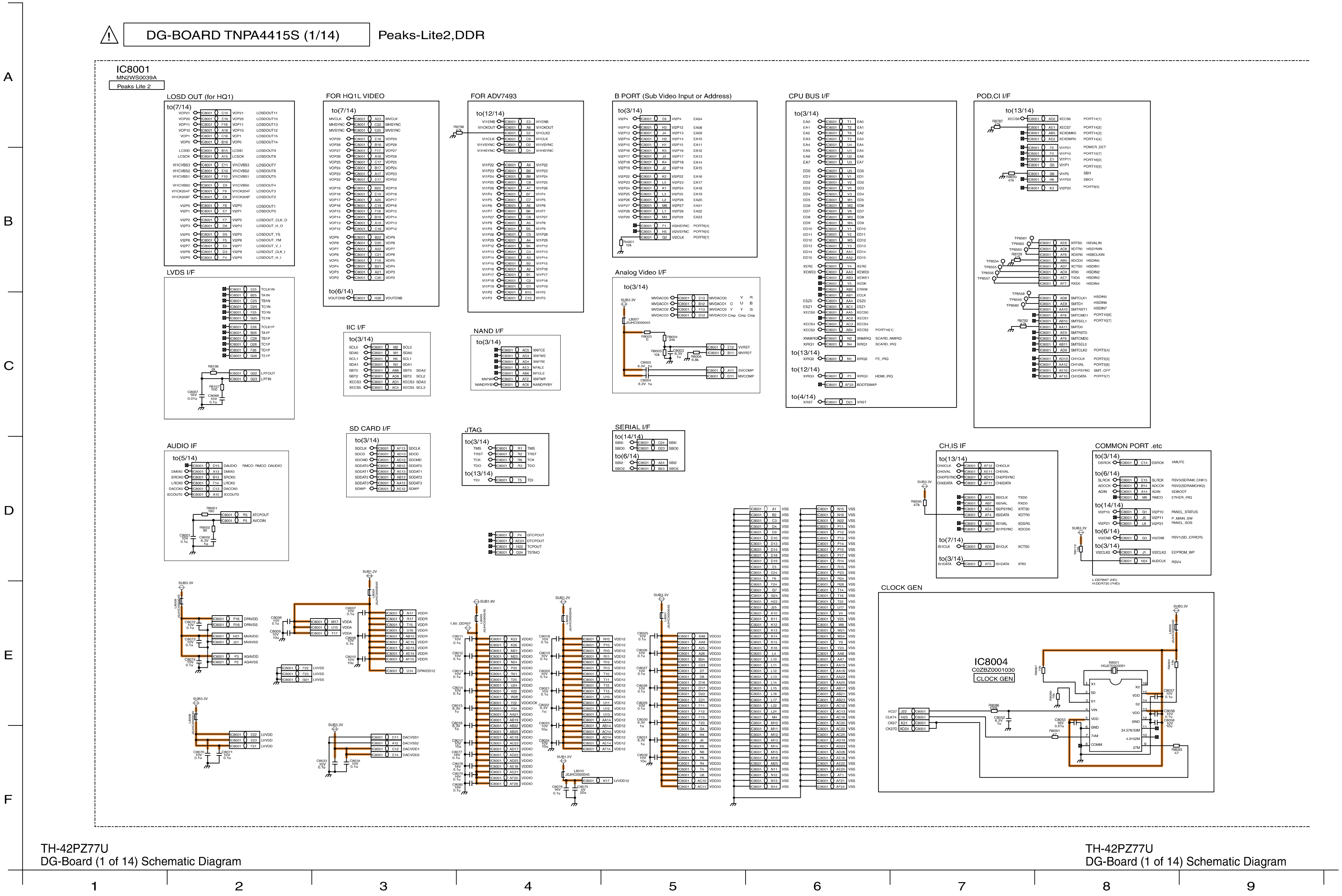
15.16. DG-Board (4 of 4) Block Diagram


DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
FULL HD
IC5901
DC-DC CONVERTER
9V->1.2V,9V->3.3V
Q5901
Q5902
SUB(FHD)9V
FHD9V
FHD1.2V
FHD3.3V
TV_MAIN_ON
IC5001
AVR 3.3V
SUB5V
IC5012
AVR 3.3V
IC5002
DDR 2.5V
IC5100
GC5P_1st
PORT-THQ
PORT-A
(ADV)
PORT-E
(OUTPUT FOR PANEL)
PORT-D
(H264)
X5000
MVCLK-CLKIA
MVSYNC-VSIA
MHSYNC-HSIA
BOE2-GYIA3
BOE3-GYIA1
BOE4-GYIA4
BOE5-GYIA0
BOE6-GYIA7
BOE7-GYIA6
BOE8-GYIA2
BOE9-GYIA5
GOE2-RVIA3
GOE3-BUIA3
GOE4-BUIA7
GOE5-BUIA4
GOE6-BUIA6
GOE7-RVIA7
GOE8-RVIA5
GOE9-RVIA6
ROE2-RVIA1
ROE3-BUIA1
ROE4-BUIA0
ROE5-RVIA2
ROE6-BUIA2
ROE7-RVIA0
ROE8-RVIA4
ROE9-BUIA5
HQ1_XRST
JTAG
SCL0
SDA0
IC5000
64k EEPROM
FOR FACTORY USE
DG4
WP
SCL
SDA
IC5102
DDR-SDRAM
DATA BUS
ADDRESS BUS
CONTROL BUS
IC5006
AVR 2.5V
IC5013
RESET
FRCK_FPGA
PEAKS_OSD0-OSD15
IC5009
AVR 2.5V
IC5008
AVR 1.5V
IC5105
FPGA
(CYCLONE)
FPGA_XRST
CONFIG_DONE
PEAKS_OSDCK
PEAKS_OSDH
PEAKS_YS
PEAKS_YM
PEAKS_OSVO
PEAKS_OSHO
PEAKS_OSCKO
OSD_FLAG
FRCLKIN 27MHz
NCFG
IC5010
CONFIG ROM
CFG-JTAG
DG5 TO D5
E+LVDS0
E-LVDS0
E+LVDS1
E-LVDS1
E+LVDS2
E-LVDS2
E+LVDS3
E-LVDS3
E+LVDS4
E-LVDS4
E+LVDSCLK
E-LVDSCLK
LVDS_DET
0+LVDSCLK
0-LVDSCLK
0+LVDS0
0-LVDS0
0+LVDS1
0-LVDS1
0+LVDS2
0-LVDS2
0+LVDS3
0-LVDS3
0+LVDS4
0-LVDS4

TH-42PZ77U
DG-Board (4 of 4) Block Diagram

TH-42PZ77U
DG-Board (4 of 4) Block Diagram

15.17. DG-Board (1 of 14) Schematic Diagram



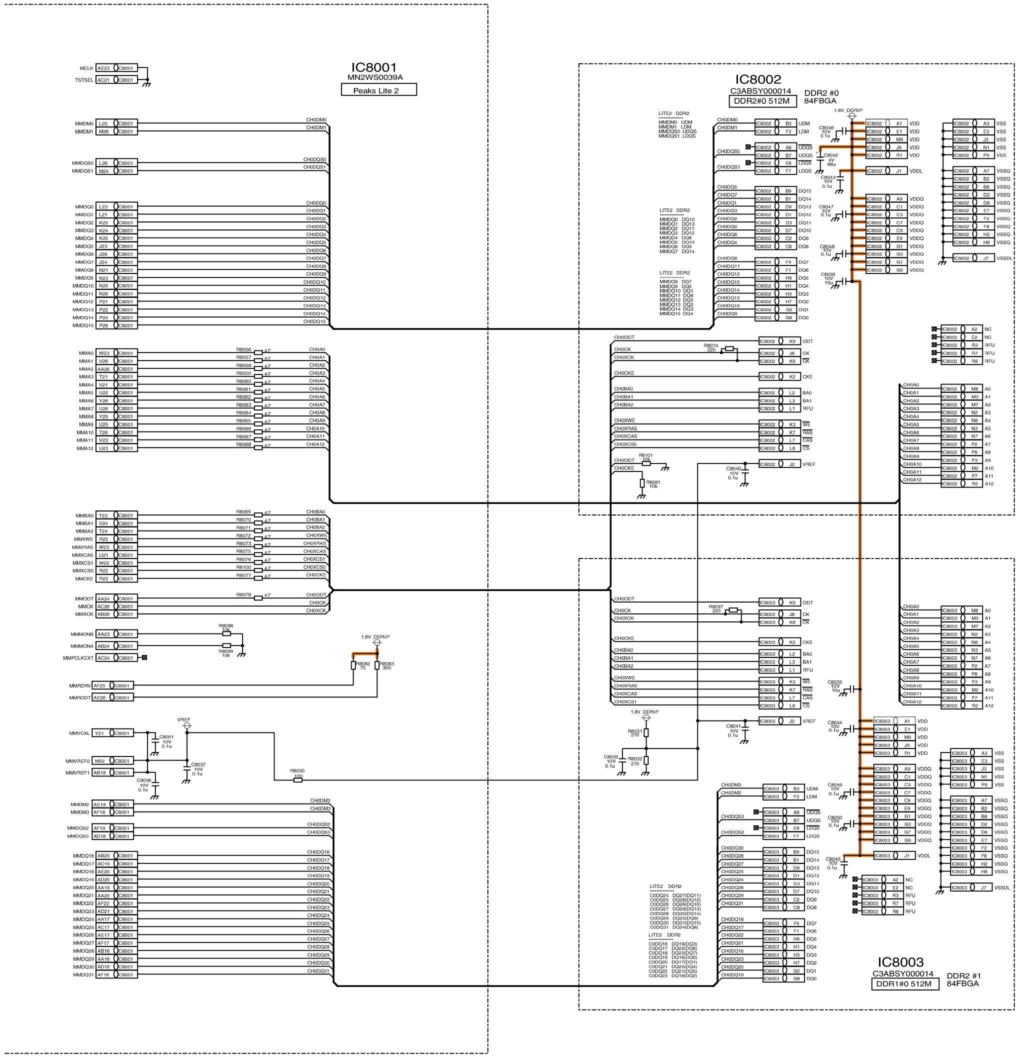
DG-BOARD TNPA4415S (1/14)
Peaks-Lite2,DDR
IC8001
MN2WS0039A
Peaks Lite 2
LOSD OUT (for HQ1)
FOR HQ1L VIDEO
FOR ADV7493
B PORT (Sub Video Input or Address)
CPU BUS I/F
POD,CI I/F
LVDS I/F
IIC I/F
NAND I/F
Analog Video I/F
AUDIO IF
SD CARD I/F
JTAG
SERIAL I/F
CH,IS IF
COMMON PORT ,etc
CLOCK GEN
IC8004
C0ZBZ0001030
CLOCK GEN
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-42PZ77U
DG-Board (1 of 14) Schematic Diagram

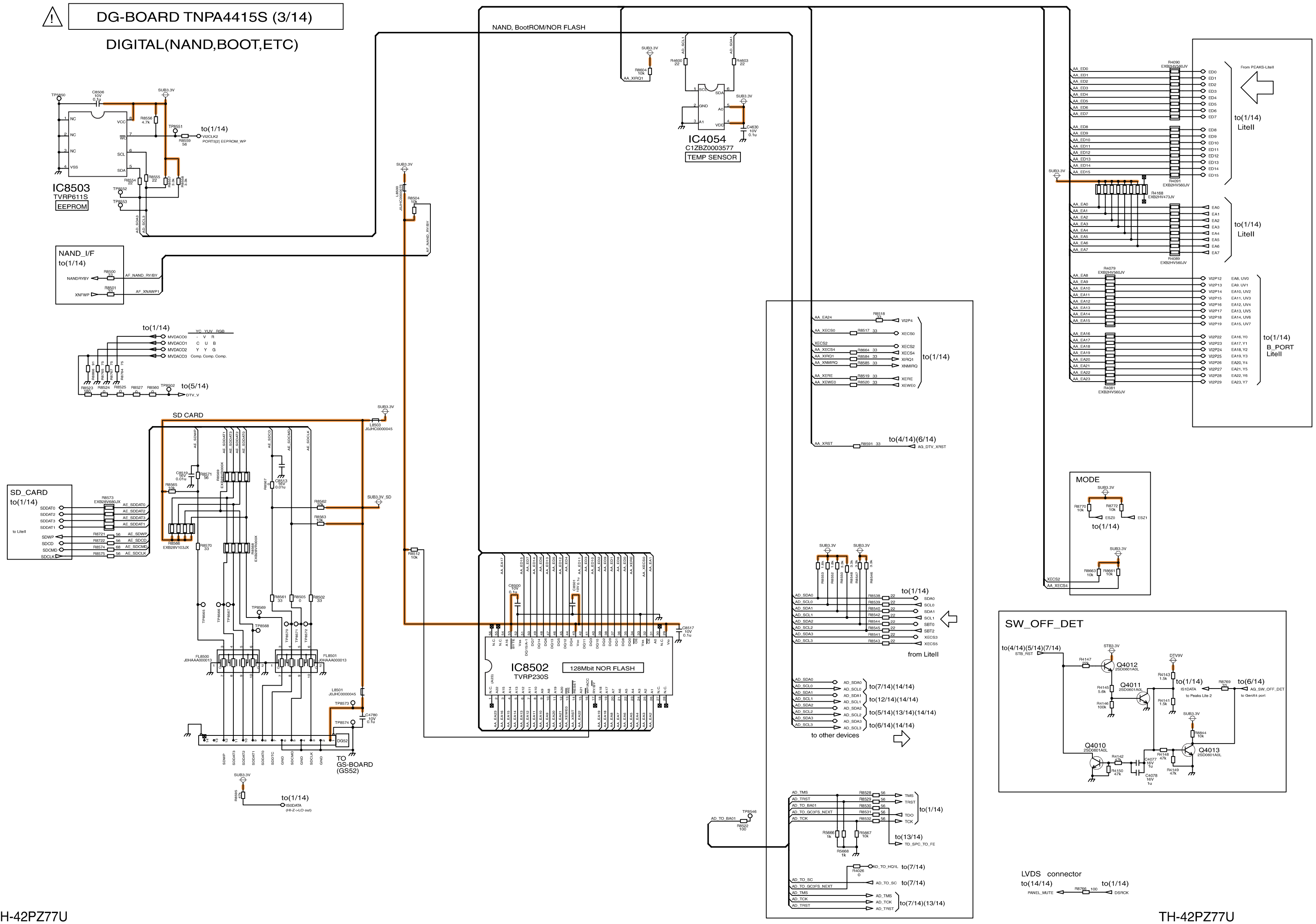
TH-42PZ77U
DG-Board (1 of 14) Schematic Diagram

15.18. DG-Board (2 of 14) Schematic Diagram

⚠ DG-BOARD TNPA4415S (2/14) Peaks-Lite2,DDR


IC8001
MN2WS0039A
Peaks Lite 2
IC8002
C3ABSY000014
DDR2#0 512M
DDR2 #0
84FBGA
IC8003
C3ABSY000014
DDR1#0 512M
DDR2 #1
84FBGA

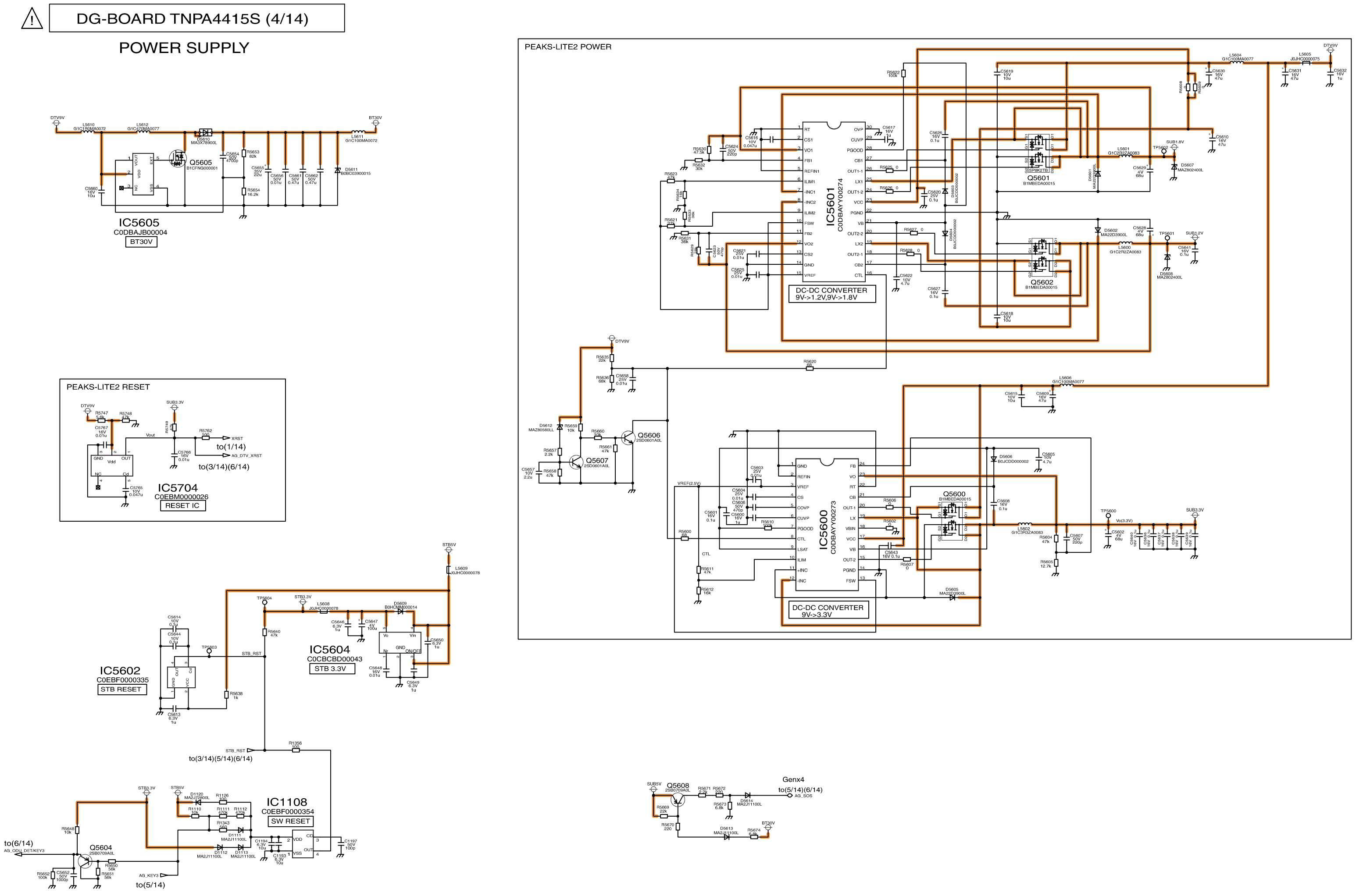
15.19. DG-Board (3 of 14) Schematic Diagram


DG-BOARD TNPA4415S (3/14)
DIGITAL(NAND,BOOT,ETC)
IC8503
TVRP611S
EEPROM
to(1/14)
NAND_I/F
to(1/14)
to(5/14)
SD CARD
SD_CARD
to(1/14)
TO GS-BOARD (GS52)
NAND, BootROM/NOR FLASH
IC4054
C1ZBZ0003577
TEMP SENSOR
IC8502
TVRP230S
128Mbit NOR FLASH
to(4/14)(6/14)
from LiteII
to(7/14)(14/14)
to(12/14)(14/14)
to(5/14)(13/14)(14/14)
to(6/14)(14/14)
to other devices
to(13/14)
to(7/14)
to(7/14)(13/14)
to(1/14)
LiteII
From PEAKS-LiteII
to(1/14)
B_PORT
LiteII
MODE
SW_OFF_DET
to(4/14)(5/14)(7/14)
Q4012
Q4011
Q4010
Q4013
to(6/14)
LVDS connector
to(14/14)

TH-42PZ77U
DG-Board (3 of 14) Schematic Diagram

TH-42PZ77U
DG-Board (3 of 14) Schematic Diagram

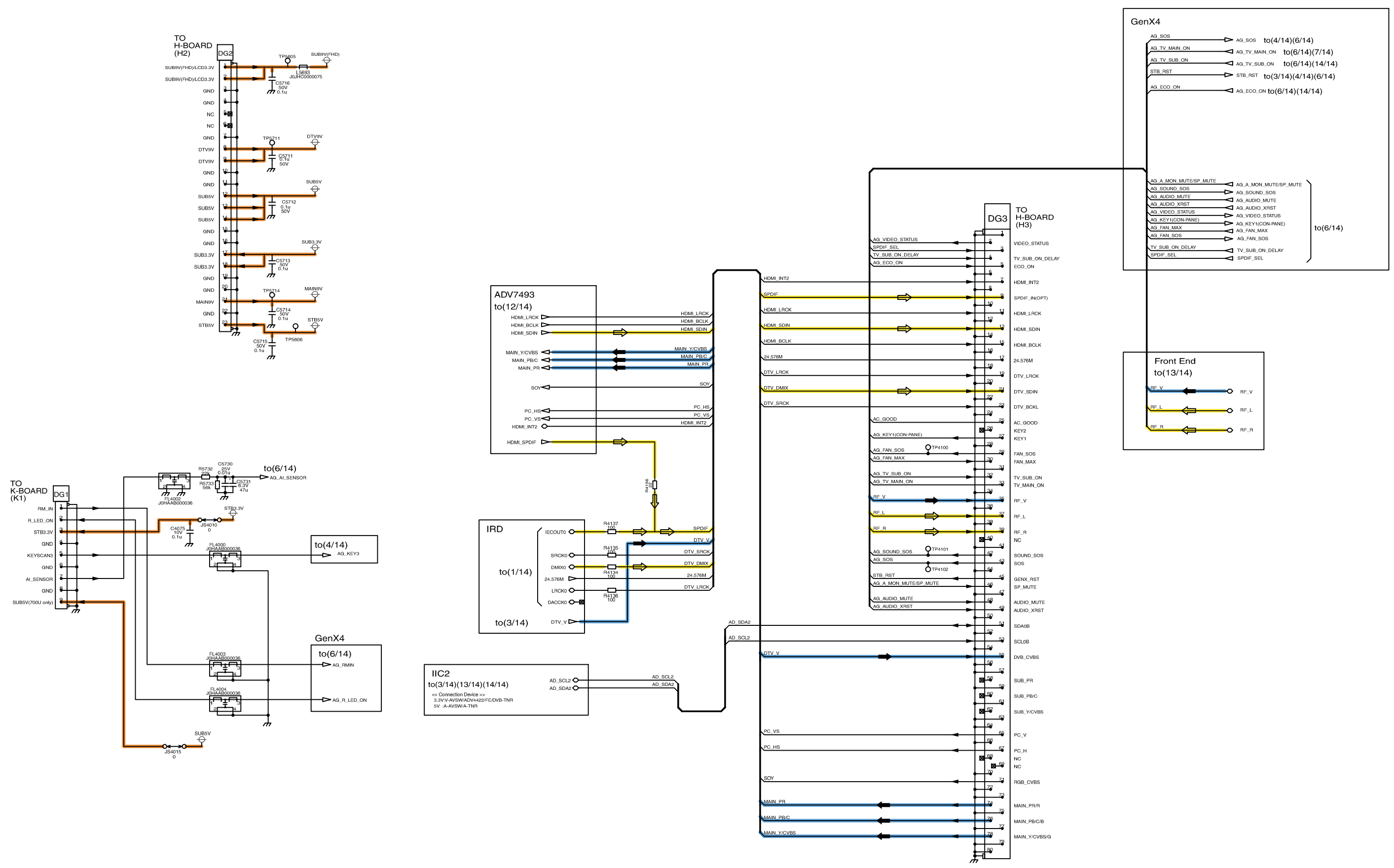
15.20. DG-Board (4 of 14) Schematic Diagram


DG-BOARD TNPA4415S (4/14)
POWER SUPPLY
DTV9V
BT30V
Q5605
IC5605
C0DBAJB00004
BT30V
PEAKS-LITE2 RESET
SUB3.3V
XRST
to(1/14)
AG_DTV_XRST
to(3/14)(6/14)
IC5704
C0EBM0000026
RESET IC
STB5V
TP5604
STB3.3V
IC5604
C0CBCBD00043
STB 3.3V
IC5602
C0EBF0000335
STB RESET
TP5603
STB_RST
to(3/14)(5/14)(6/14)
IC1108
C0EBF0000354
SW RESET
to(6/14)
AG_ODU_DET/KEY3
Q5604
AG_KEY3
to(5/14)
PEAKS-LITE2 POWER
IC5601
C0DBAYY00274
DC-DC CONVERTER
9V->1.2V,9V->1.8V
Q5601
Q5602
SUB1.8V
SUB1.2V
Q5606
Q5607
IC5600
C0DBAYY00273
DC-DC CONVERTER
9V->3.3V
Q5600
VREF(2.5V)
CTL
TP5600
Vo(3.3V)
SUB3.3V
SUB5V
Q5608
Genx4
to(5/14)(6/14)
AG_SOS

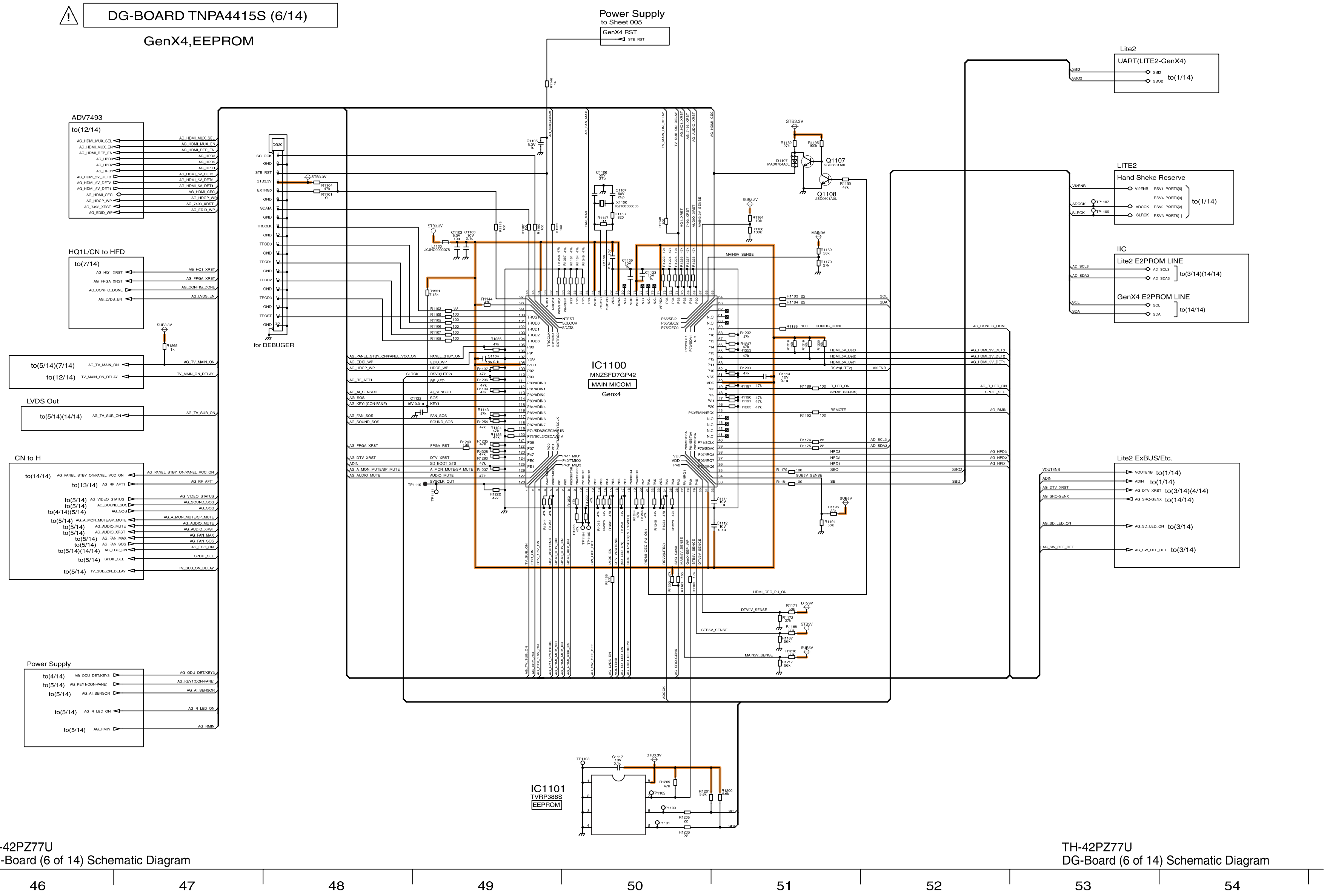
15.21. DG-Board (5 of 14) Schematic Diagram

⚠ DG-BOARD TNPA4415S (5/14)

TANSI,AVSW


TO
H-BOARD
(H2)
DG2
SUB9V(FHD)/LCD3.3V
SUB9V(FHD)/LCD3.3V
GND
NC
DTV9V
SUB5V
SUB3.3V
MAIN9V
STB5V
TP5605
SUB9V(FHD)
L5693
J0JHC0000075
C5716
50V
0.1u
TP5711
C5711
0.1u
50V
C5712
0.1u
50V
C5713
50V
0.1u
TP5714
C5714
50V
0.1u
C5715
50V
0.1u
TP5606
TO
K-BOARD
(K1)
DG1
RM_IN
R_LED_ON
STB3.3V
GND
KEYSCAN3
AI_SENSOR
SUB5V(700U only)
FL4002
J0HAAB000036
R5732
22k
R5733
56k
C5730
25V
0.01u
C5731
6.3V
47u
to(6/14)
AG_AI_SENSOR
STB3.3V
JS4010
0
C4075
10V
0.1u
FL4000
J0HAAB000036
to(4/14)
AG_KEY3
GenX4
to(6/14)
FL4003
J0HAAB000036
AG_RMIN
FL4004
J0HAAB000036
AG_R_LED_ON
SUB5V
JS4015
0
ADV7493
to(12/14)
HDMI_LRCK
HDMI_BCLK
HDMI_SDIN
MAIN_Y/CVBS
MAIN_PB/C
MAIN_PR
SOY
PC_HS
PC_VS
HDMI_INT2
HDMI_SPDIF
R4156
22
IRD
to(1/14)
to(3/14)
IECOUT0
SRCK0
DMIX0
24.576M
LRCK0
DACCK0
DTV_V
R4137
100
R4135
100
R4134
100
R4136
100
SPDIF
DTV_SRCK
DTV_DMIX
DTV_LRCK
IIC2
to(3/14)(13/14)(14/14)
<< Connection Device >>
3.3V:V-AVSW/ADV4422/FE/DVB-TNR
5V :A-AVSW/A-TNR
AD_SCL2
AD_SDA2
TO
H-BOARD
(H3)
DG3
VIDEO_STATUS
TV_SUB_ON_DELAY
ECO_ON
HDMI_INT2
SPDIF_IN(OPT)
HDMI_LRCK
HDMI_SDIN
HDMI_BCLK
24.576M
DTV_LRCK
DTV_SDIN
DTV_BCKL
AC_GOOD
KEY2
KEY1
FAN_SOS
FAN_MAX
TV_SUB_ON
TV_MAIN_ON
RF_V
RF_L
RF_R
NC
SOUND_SOS
SOS
GENX_RST
SP_MUTE
AUDIO_MUTE
AUDIO_XRST
SDA0B
SCL0B
DVB_CVBS
SUB_PR
SUB_PB/C
SUB_Y/CVBS
PC_V
PC_H
NC
RGB_CVBS
MAIN_PR/R
MAIN_PB/C/B
MAIN_Y/CVBS/G
AG_VIDEO_STATUS
SPDIF_SEL
AG_ECO_ON
AG_KEY1(CON-PANE)
AG_FAN_SOS
AG_FAN_MAX
AG_TV_SUB_ON
AG_TV_MAIN_ON
TP4100
TP4101
TP4102
AG_SOUND_SOS
AG_SOS
STB_RST
AG_A_MON_MUTE/SP_MUTE
AG_AUDIO_MUTE
AG_AUDIO_XRST
DTV_V
PC_VS
PC_HS
SOY
MAIN_PR
MAIN_PB/C
MAIN_Y/CVBS
GenX4
AG_SOS to(4/14)(6/14)
AG_TV_MAIN_ON to(6/14)(7/14)
AG_TV_SUB_ON to(6/14)(14/14)
STB_RST to(3/14)(4/14)(6/14)
AG_ECO_ON to(6/14)(14/14)
AG_AUDIO_MUTE
AG_AUDIO_XRST
AG_VIDEO_STATUS
AG_KEY1(CON-PANE)
AG_FAN_MAX
AG_FAN_SOS
TV_SUB_ON_DELAY
SPDIF_SEL
to(6/14)
Front End
to(13/14)
RF_V
RF_L
RF_R

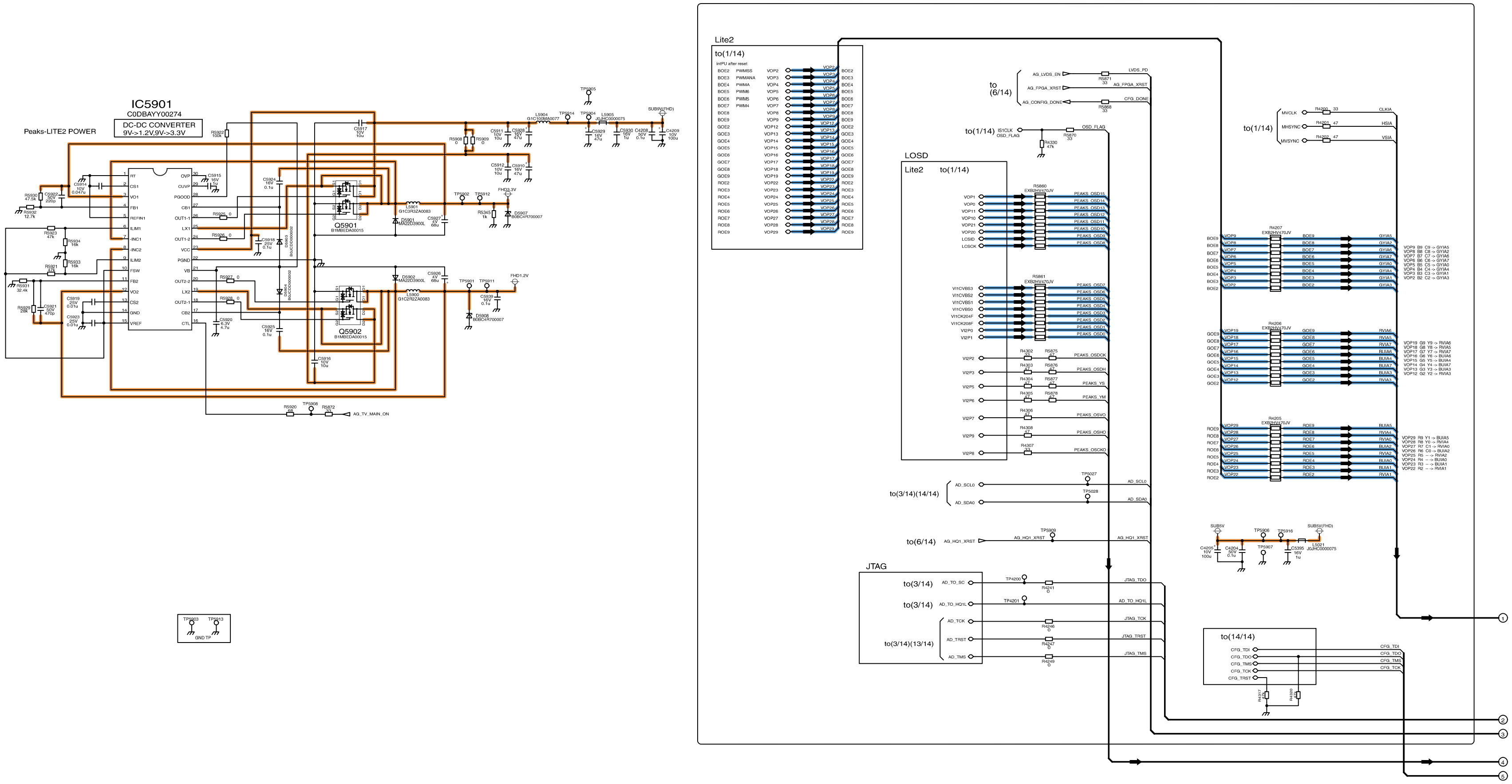
15.22. DG-Board (6 of 14) Schematic Diagram


DG-BOARD TNPA4415S (6/14)
GenX4,EEPROM
Power Supply
to Sheet 005
GenX4 RST
STB_RST
ADV7493
to(12/14)
HQ1L/CN to HFD
to(7/14)
to(5/14)(7/14)
to(12/14)
AG_TV_MAIN_ON
TV_MAIN_ON_DELAY
LVDS Out
to(5/14)(14/14)
AG_TV_SUB_ON
CN to H
Power Supply
for DEBUGER
IC1100
MNZSFD7GP42
MAIN MICOM
Genx4
IC1101
TVRP388S
EEPROM
Q1107
Q1108
Lite2
UART(LITE2-GenX4)
SBI2
SBO2
to(1/14)
LITE2
Hand Sheke Reserve
IIC
Lite2 E2PROM LINE
AD_SCL3
AD_SDA3
to(3/14)(14/14)
GenX4 E2PROM LINE
SCL
SDA
to(14/14)
Lite2 ExBUS/Etc.
VOUTENB
ADIN
AG_DTV_XRST
AG_SRQ-GENX
AG_SD_LED_ON
AG_SW_OFF_DET
to(3/14)(4/14)
to(3/14)
TH-42PZ77U
DG-Board (6 of 14) Schematic Diagram
TH-42PZ77U
DG-Board (6 of 14) Schematic Diagram
46
47
48
49
50
51
52
53
54

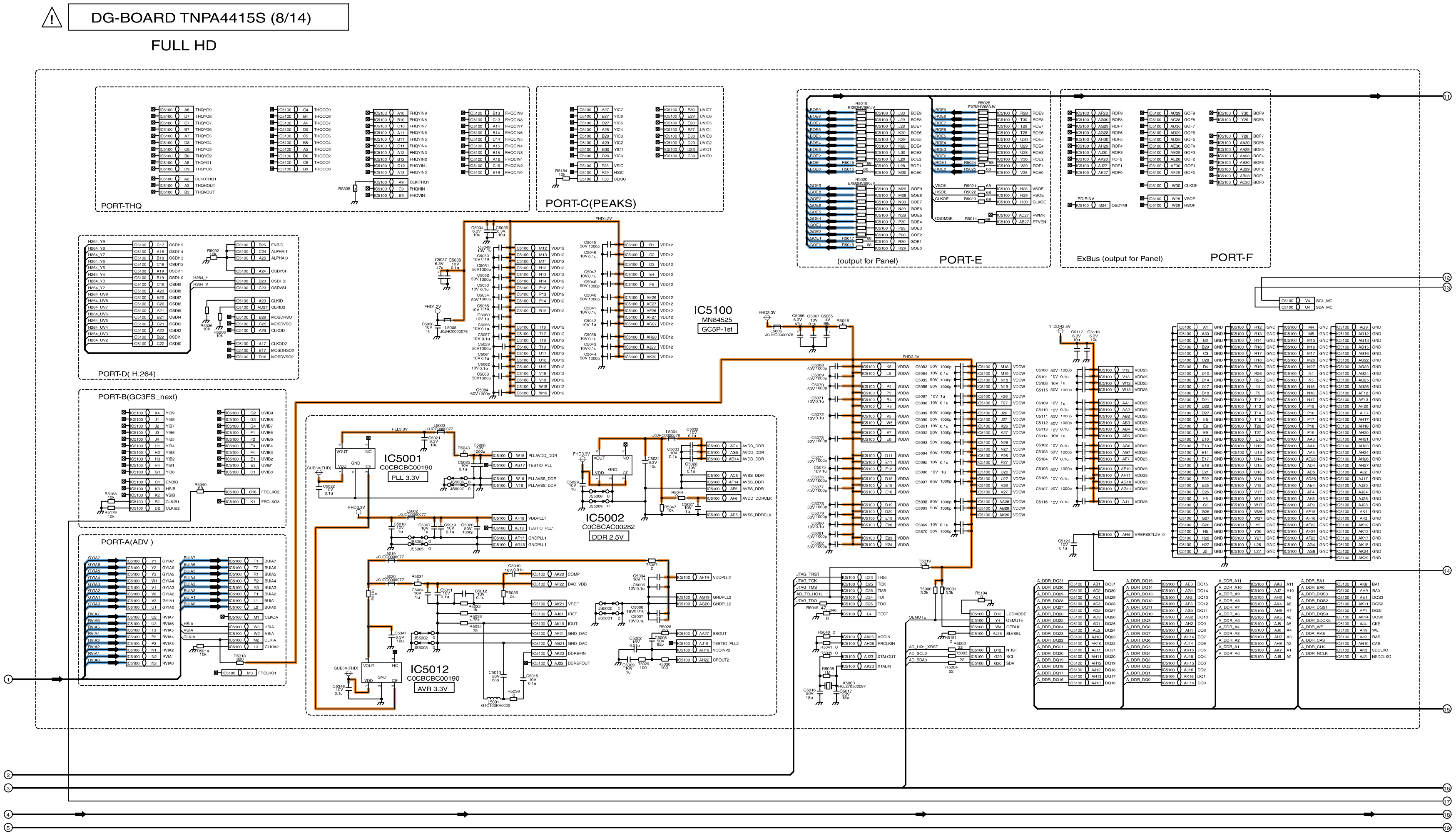
15.23. DG-Board (7 of 14) Schematic Diagram

⚠ DG-BOARD TNPA4415S (7/14)

FULL HD


IC5901
C0DBAYY00274
DC-DC CONVERTER
9V->1.2V,9V->3.3V
Peaks-LITE2 POWER
Q5901
B1MBEDA00015
Q5902
B1MBEDA00015
FHD3.3V
FHD1.2V
SUB9V(FHD)
AG_TV_MAIN_ON
GND TP
Lite2
to(1/14)
to
(6/14)
to(1/14)
LOSD
Lite2
to(1/14)
to(1/14)
to(3/14)(14/14)
to(6/14)
JTAG
to(3/14)
to(3/14)
to(3/14)(13/14)
to(14/14)
SUB5V
SUB5V(FHD)
1
2
3
4
5

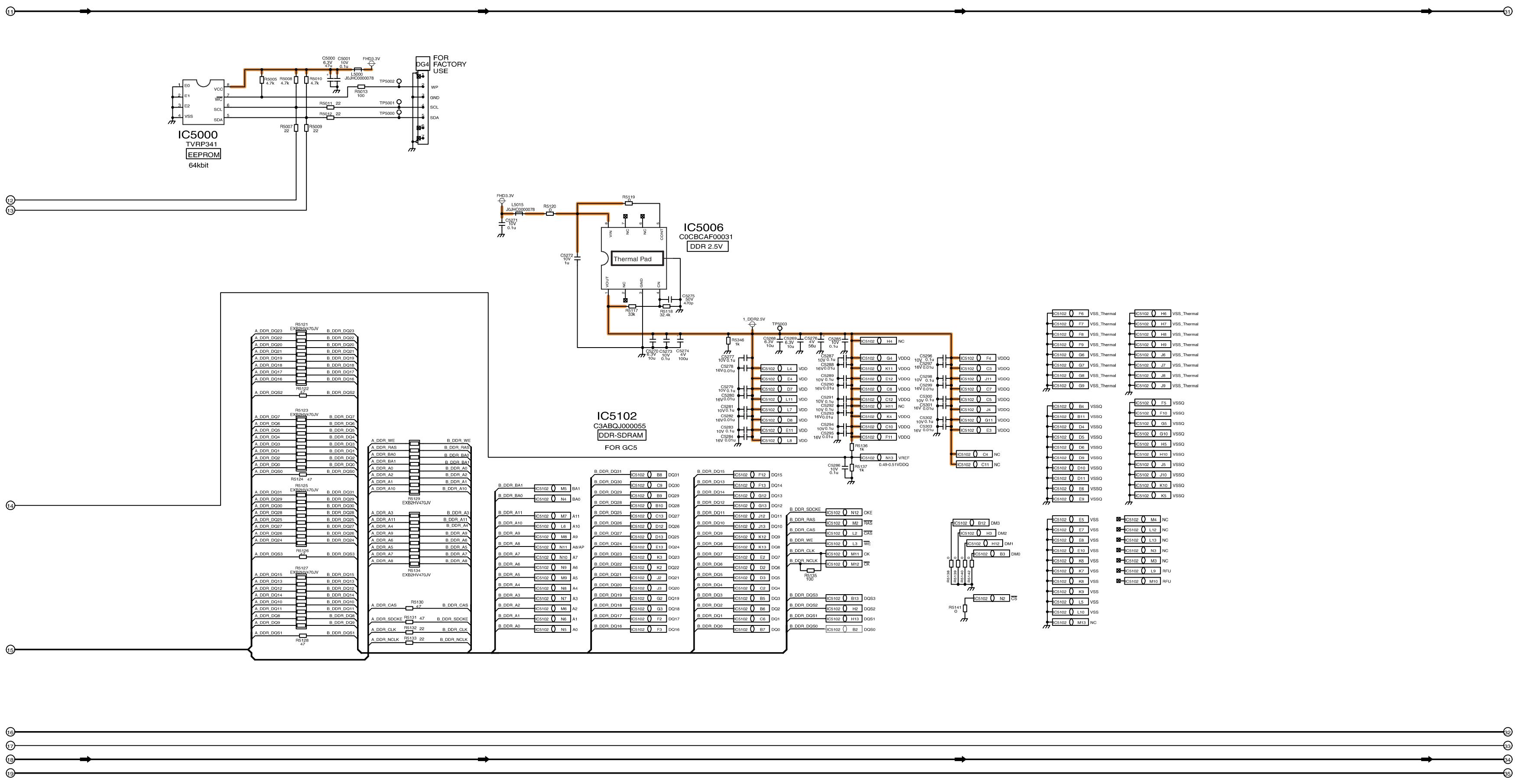
15.24. DG-Board (8 of 14) Schematic Diagram


DG-BOARD TNPA4415S (8/14)
FULL HD
PORT-THQ
PORT-C(PEAKS)
PORT-D(H.264)
PORT-B(GC3FS_next)
PORT-A(ADV)
(output for Panel)
PORT-E
ExBus (output for Panel)
PORT-F
IC5100
MN84525
GC5P-1st
IC5001
C0CBCBC00190
PLL 3.3V
IC5002
C0CBCAC00282
DDR 2.5V
IC5012
C0CBCBC00190
AVR 3.3V
1
2
3
4
5
11
12
13
14
15
16
17
18
19

15.25. DG-Board (9 of 14) Schematic Diagram

⚠ DG-BOARD TNPA4415S (9/14)

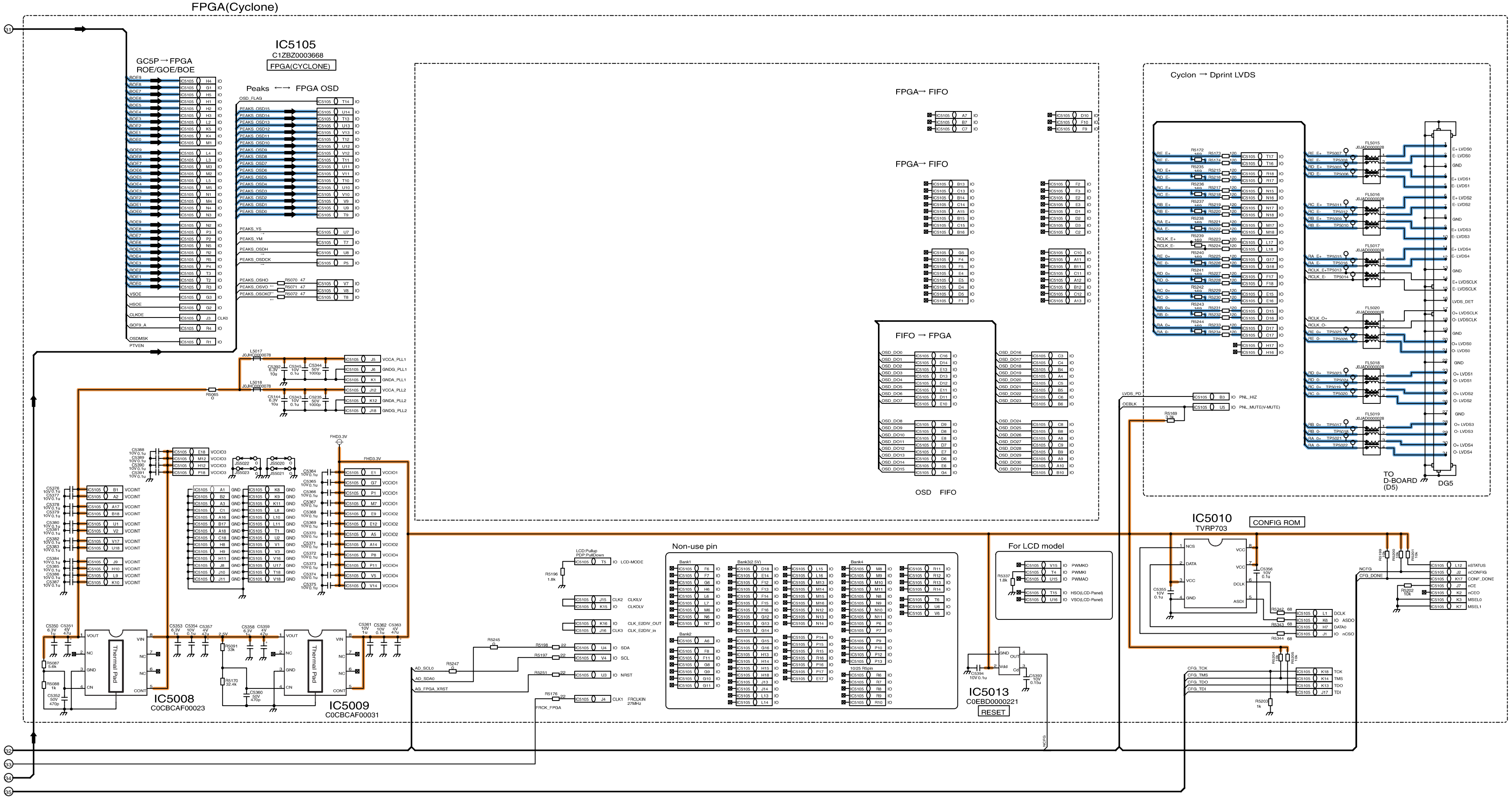
FULL HD


IC5000
TVRP341
EEPROM
64kbit
DG4
FOR FACTORY USE
FHD3.3V
IC5006
C0CBCAF00031
DDR 2.5V
Thermal Pad
1_DDR2.5V
IC5102
C3ABQJ000055
DDR-SDRAM
FOR GC5
VREF
0.49-0.51VDDQ

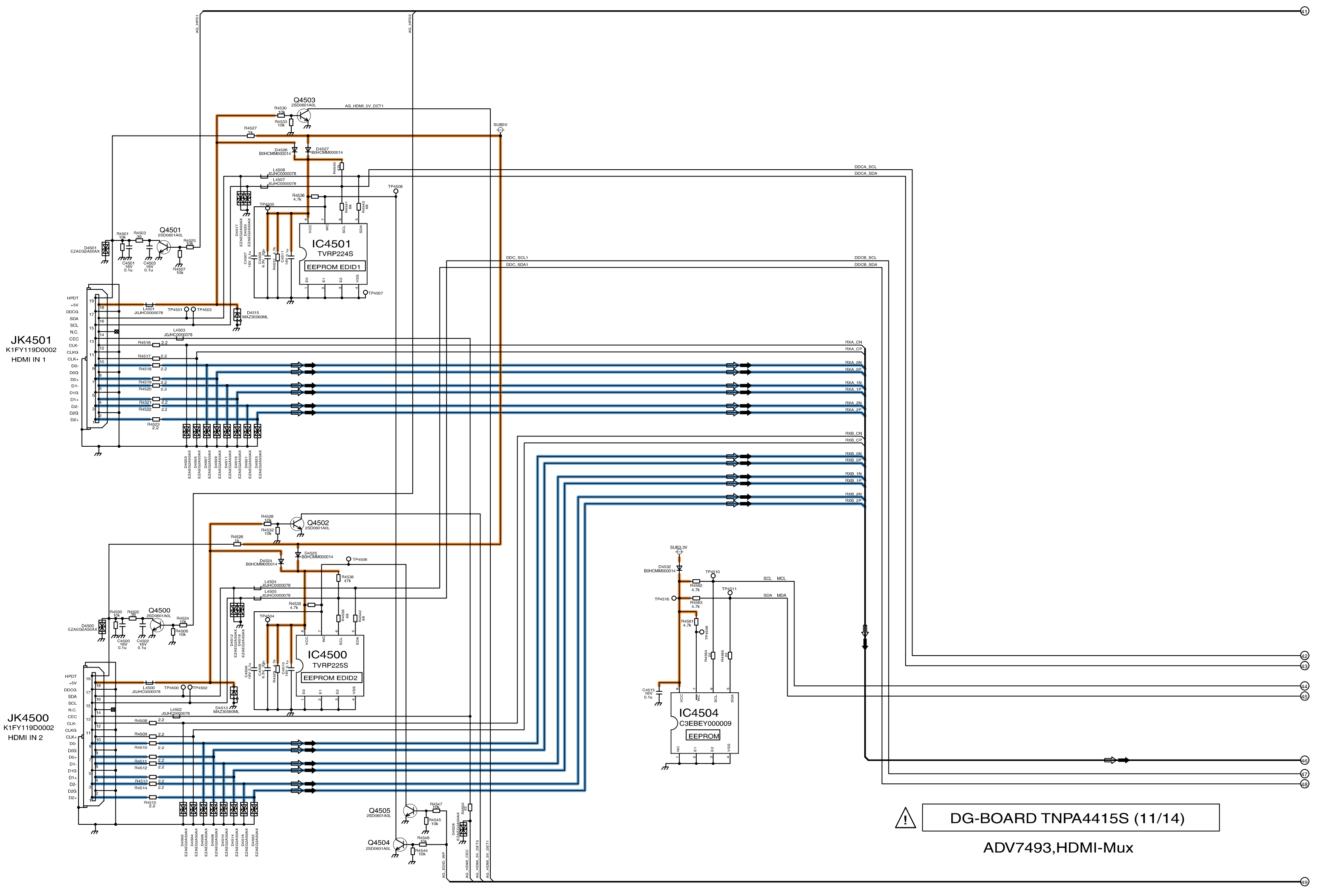
15.26. DG-Board (10 of 14) Schematic Diagram

⚠ DG-BOARD TNPA4415S (10/14)

FULL HD


FPGA(Cyclone)
IC5105
C1ZBZ0003668
FPGA(CYCLONE)
GC5P → FPGA
ROE/GOE/BOE
Peaks ⟷ FPGA OSD
FPGA→ FIFO
FPGA→ FIFO
FIFO → FPGA
OSD FIFO
Cyclon → Dprint LVDS
TO
D-BOARD
(D5)
DG5
IC5010
TVRP703
CONFIG ROM
For LCD model
Non-use pin
IC5008
C0CBCAF00023
IC5009
C0CBCAF00031
Thermal Pad
Thermal Pad
IC5013
C0EBD0000221
RESET

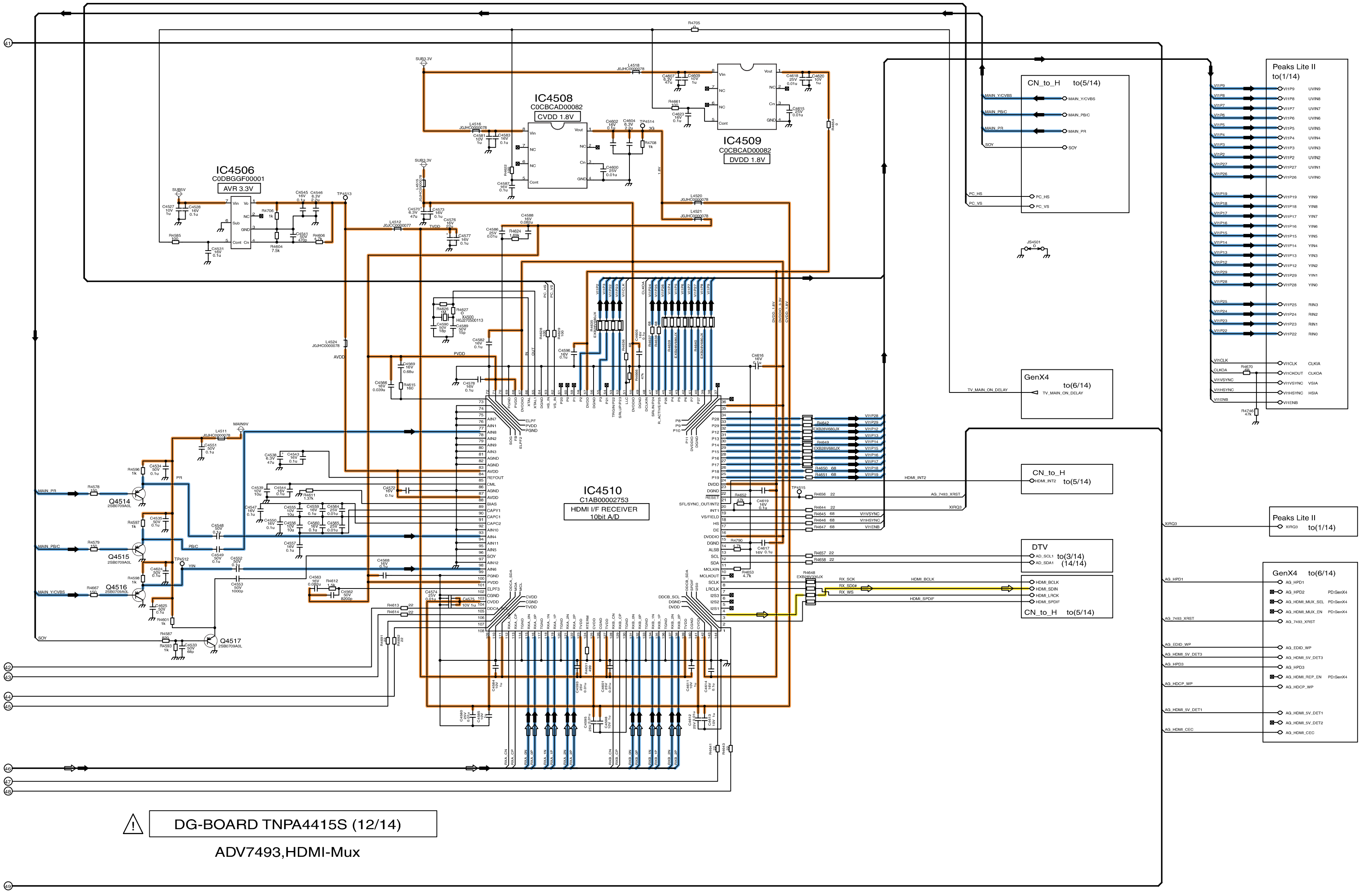
15.27. DG-Board (11 of 14) Schematic Diagram


JK4501
K1FY119D0002
HDMI IN 1
HPDT
+5V
DDCG
SDA
SCL
N.C.
CEC
CLK-
CLKG
CLK+
D0-
D0G
D0+
D1-
D1G
D1+
D2-
D2G
D2+
Q4501
2SD0601A0L
Q4503
2SD0601A0L
AG_HDMI_5V_DET1
R4530 10k
R4533 10k
R4527 1k
D4526 B0HCMM000014
D4527 B0HCMM000014
R4540 47k
L4506 J0JHC0000078
L4507 J0JHC0000078
R4536 4.7k
TP4505
TP4508
TP4507
R4541 68
R4543 68
IC4501
TVRP224S
EEPROM EDID1
VCC
WC
SCL
SDA
E0
E1
E2
VSS
D4501 EZAEG2A50AX
R4501 10k
R4503 39
C4501 16V 0.1u
C4503 16V 0.1u
R4525 10k
R4507 10k
C4507 16V 0.1u
C4509 6.3V 33u
R4531 4.7k
C4511 16V 0.1u
D4517 EZAEG2A50AX
D4520 EZAEG2A50AX
L4501 J0JHC0000078
TP4501
TP4503
D4515 MAZ30560ML
L4503 J0JHC0000078
R4516 2.2
R4517 2.2
R4518 2.2
R4519 2.2
R4520 2.2
R4521 2.2
R4522 2.2
R4523 2.2
D4503 EZAEG2A50AX
D4505 EZAEG2A50AX
D4507 EZAEG2A50AX
D4509 EZAEG2A50AX
D4511 EZAEG2A50AX
D4516 EZAEG2A50AX
D4521 EZAEG2A50AX
D4523 EZAEG2A50AX
AG_HPD1
SUB5V
DDCA_SCL
DDCA_SDA
DDC_SCL1
DDC_SDA1
DDCB_SCL
DDCB_SDA
RXA_CN
RXA_CP
RXA_0N
RXA_0P
RXA_1N
RXA_1P
RXA_2N
RXA_2P
RXB_CN
RXB_CP
RXB_0N
RXB_0P
RXB_1N
RXB_1P
RXB_2N
RXB_2P
JK4500
K1FY119D0002
HDMI IN 2
Q4500
2SD0601A0L
Q4502
2SD0601A0L
R4528 10k
R4532 10k
R4526 1k
D4524 B0HCMM000014
D4525 B0HCMM000014
TP4506
R4538 47k
L4504 J0JHC0000078
L4505 J0JHC0000078
R4535 4.7k
TP4504
R4539 68
R4542 68
IC4500
TVRP225S
EEPROM EDID2
D4500 EZAEG2A50AX
R4500 10k
R4502 39
C4500 16V 0.1u
C4502 16V 0.1u
R4524 10k
R4506 10k
C4506 16V 0.1u
C4508 6.3V 33u
R4529 4.7k
C4510 16V 0.1u
D4512 EZAEG2A50AX
D4518 EZAEG2A50AX
L4500 J0JHC0000078
TP4500
TP4502
D4513 MAZ30560ML
L4502 J0JHC0000078
R4508 2.2
R4509 2.2
R4510 2.2
R4511 2.2
R4512 2.2
R4513 2.2
R4514 2.2
R4515 2.2
D4502 EZAEG2A50AX
D4504 EZAEG2A50AX
D4506 EZAEG2A50AX
D4508 EZAEG2A50AX
D4510 EZAEG2A50AX
D4514 EZAEG2A50AX
D4519 EZAEG2A50AX
D4522 EZAEG2A50AX
Q4505
2SD0601A0L
Q4504
2SD0601A0L
R4547 10k
R4545 10k
R4546 10k
R4544 10k
R4552 22
D4528 EZAEG2A50AX
AG_EDID_WP
AG_HDMI_CEC
AG_HDMI_5V_DET3
AG_HDMI_5V_DET1
SUB3.3V
D4532 B0HCMM000014
TP4510
TP4511
TP4516
TP4509
R4562 4.7k
R4563 4.7k
R4561 4.7k
R4564 22
R4565 22
SCL MCL
SDA MDA
C4515 16V 0.1u
IC4504
C3EBEY000009
EEPROM
NC
41
42
43
44
45
46
47
48
49

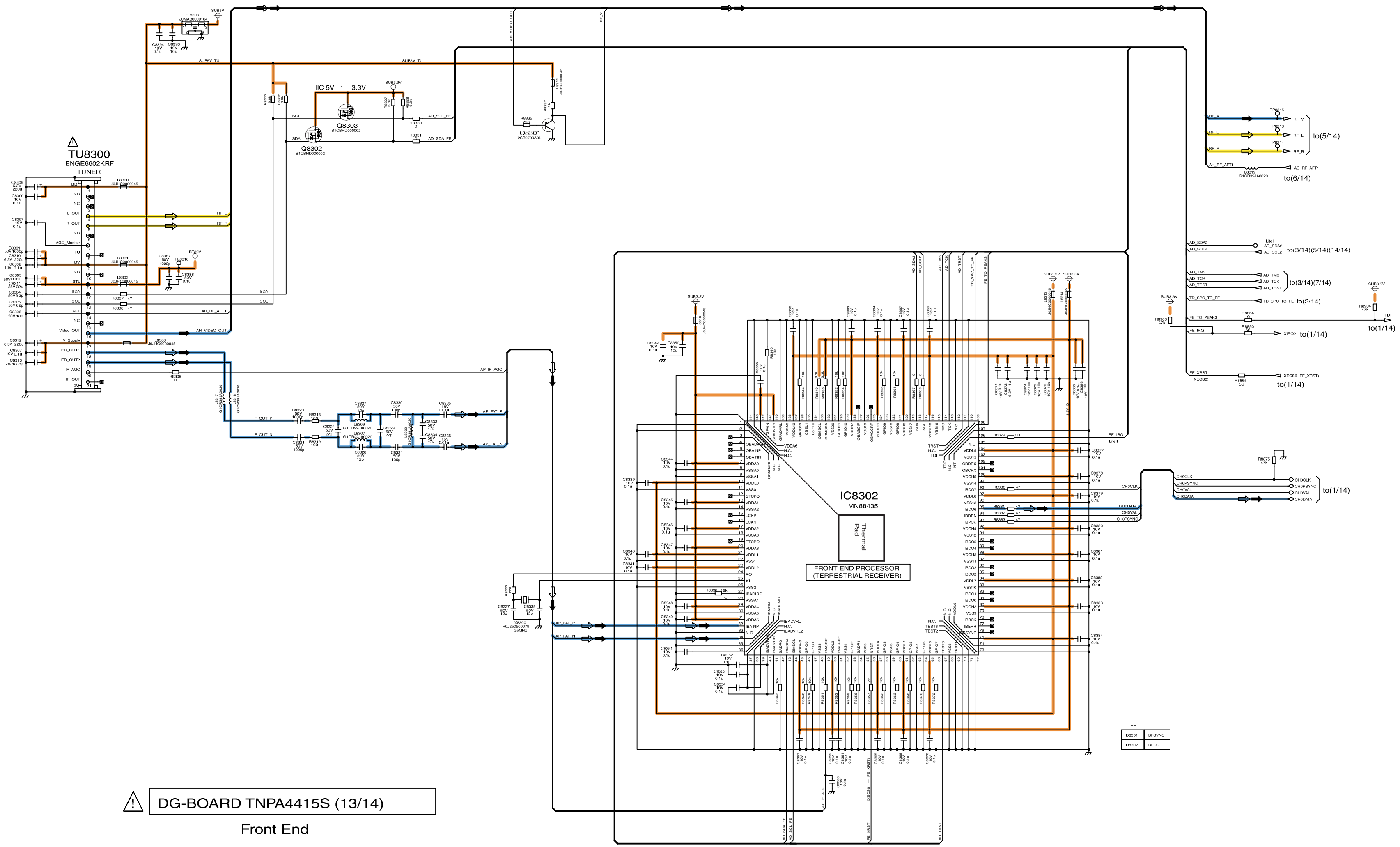
⚠ DG-BOARD TNPA4415S (11/14)

ADV7493,HDMI-Mux

15.28. DG-Board (12 of 14) Schematic Diagram


IC4506
C0DBGGF00001
AVR 3.3V
IC4508
C0CBCAD00082
CVDD 1.8V
IC4509
C0CBCAD00082
DVDD 1.8V
IC4510
C1AB00002753
HDMI I/F RECEIVER
10bit A/D
Q4514
2SB0709A0L
Q4515
2SB0709A0L
Q4516
2SB0709A0L
Q4517
2SB0709A0L
X4500
HG2700Q0113
CN_to_H to(5/14)
MAIN_Y/CVBS
MAIN_PB/C
MAIN_PR
SOY
PC_HS
PC_VS
GenX4 to(6/14)
TV_MAIN_ON_DELAY
CN_to_H to(5/14)
HDMI_INT2
DTV to(3/14) (14/14)
AD_SCL1
AD_SDA1
HDMI_BCLK
HDMI_SDIN
HDMI_LRCK
HDMI_SPDIF
CN_to_H to(5/14)
Peaks Lite II to(1/14)
XIRQ3
Peaks Lite II to(1/14)
GenX4 to(6/14)
AG_HPD1
AG_HPD2
AG_HDMI_MUX_SEL
AG_HDMI_MUX_EN
AG_7493_XRST
AG_EDID_WP
AG_HDMI_5V_DET3
AG_HPD3
AG_HDMI_REP_EN
AG_HDCP_WP
AG_HDMI_5V_DET1
AG_HDMI_5V_DET2
AG_HDMI_CEC
PD:GenX4
SUB3.3V
SUB5V
MAIN9V
AVDD
PVDD
TVDD
JS4501
DG-BOARD TNPA4415S (12/14)
ADV7493,HDMI-Mux

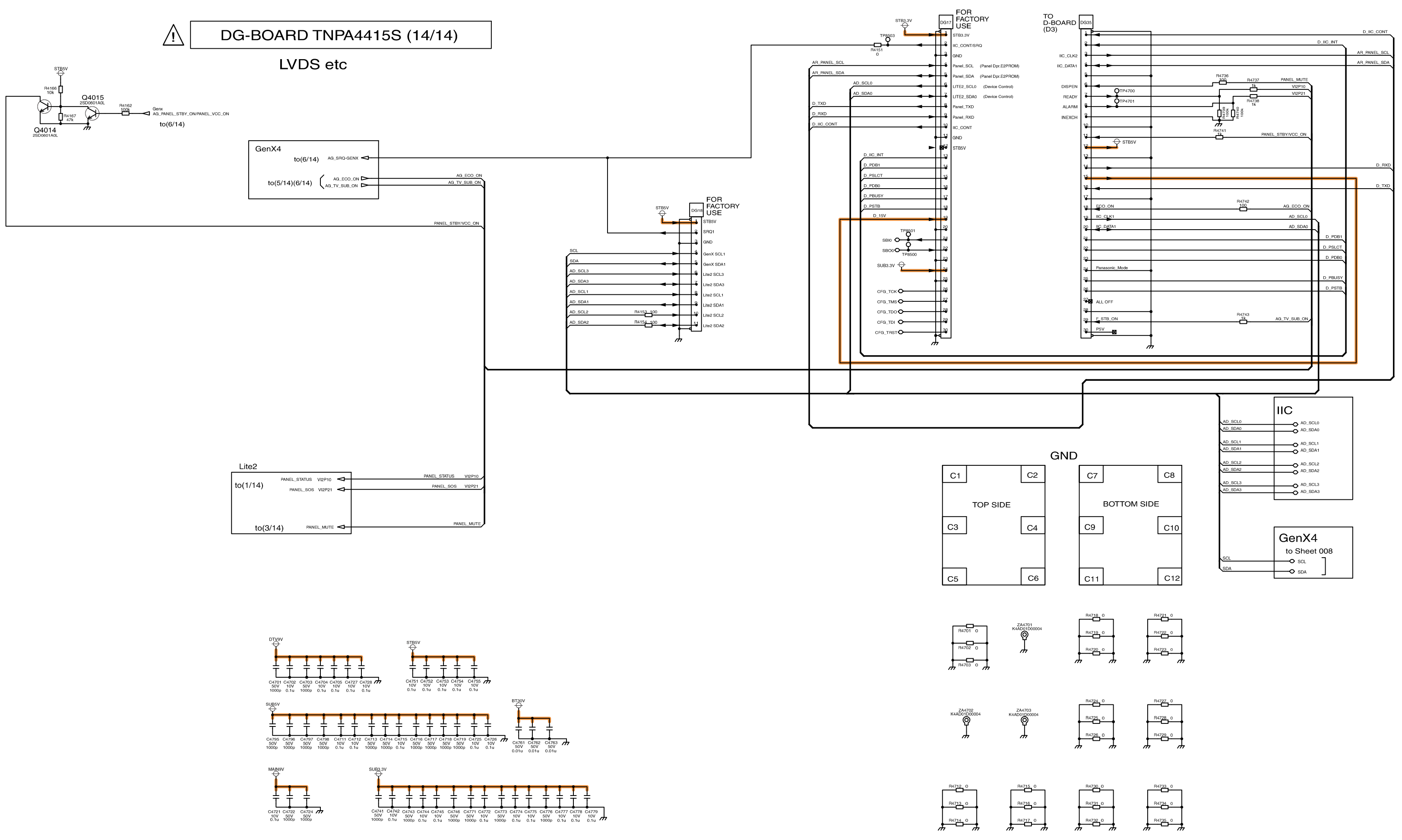
15.29. DG-Board (13 of 14) Schematic Diagram


⚠ TU8300
ENGE6602KRF
TUNER
BB
NC
L_OUT
R_OUT
AGC_Monitor
TU
BV
BTL
SDA
SCL
AFT
Video_OUT
V_Supply
IFD_OUT1
IFD_OUT2
IF_AGC
IF_OUT
0V
C8309 6.3V 220u
C8300 10V 0.1u
C8397 10V 0.1u
C8301 50V 1000p
C8310 6.3V 220u
C8302 10V 0.1u
C8303 50V 0.01u
C8311 35V 22u
C8304 50V 82p
C8305 50V 82p
C8306 50V 10p
C8312 6.3V 220u
C8307 10V 0.1u
C8313 50V 1000p
L8300 J0JHC0000045
L8301 J0JHC0000045
L8302 J0JHC0000045
L8303 J0JHC0000045
R8307 47
R8308 47
R8309 0
C8387 50V 1000p
TP8316
BT30V
C8388 50V 0.1u
L8317 G1CR39JA0020
L8318 G1CR39JA0020
FL8308
SUB5V
C8394 10V 0.1u
C8396 10V 10u
SUB5V_TU
R8312 6.8k
R8315 6.8k
SCL
SDA
IIC 5V ← 3.3V
SUB3.3V
R8327 6.8k
R8328 6.8k
Q8303 B1CBHD000002
Q8302 B1CBHD000002
R8330 0
R8331 0
AD_SCL_FE
AD_SDA_FE
AH_VIDEO_OUT
RF_V
L8311 J0JHC0000045
R8337 1k
R8335 220
Q8301 2SB0709A0L
RF_L
RF_R
AH_RF_AFT1
IF_OUT_P
IF_OUT_N
C8320 50V 1000p
C8321 50V 1000p
R8318 100
R8319 100
L8306 G1CR22JA0020
L8307 G1CR22JA0020
AP_IF_AGC
AP_FAT_P
AP_FAT_N
X8300 HU25000079 25MHz
C8337 50V 15p
C8338 50V 15p
IC8302
MN88435
Thermal Pad
FRONT END PROCESSOR
(TERRESTRIAL RECEIVER)
SUB1.2V
SUB3.3V
FE_IRQ
LiteII
CH0CLK
CH0PSYNC
CH0VAL
CH0DATA
R8875 47k
TP8315
TP8313
TP8314
RF_V
RF_L
RF_R
to(5/14)
L8319 G1CR39JA0020
AG_RF_AFT1
to(6/14)
AD_SDA2
AD_SCL2
LiteII
to(3/14)(5/14)(14/14)
AD_TMS
AD_TCK
AD_TRST
to(3/14)(7/14)
TD_SPC_TO_FE
to(3/14)
R8903 47k
FE_TO_PEAKS
R8864 0
R8904 47k
TDI
to(1/14)
FE_IRQ
R8850 56
XIRQ2
to(1/14)
FE_XRST
(XECS6)
R8865 56
XECS6 (FE_XRST)
to(1/14)
CH0CLK
CH0PSYNC
CH0VAL
CH0DATA
to(1/14)
LED
D8301 IBFSYNC
D8302 IBERR
AD_SDA_FE
AD_SCL_FE
AP_IF_AGC
FE_XRST
AD_TRST

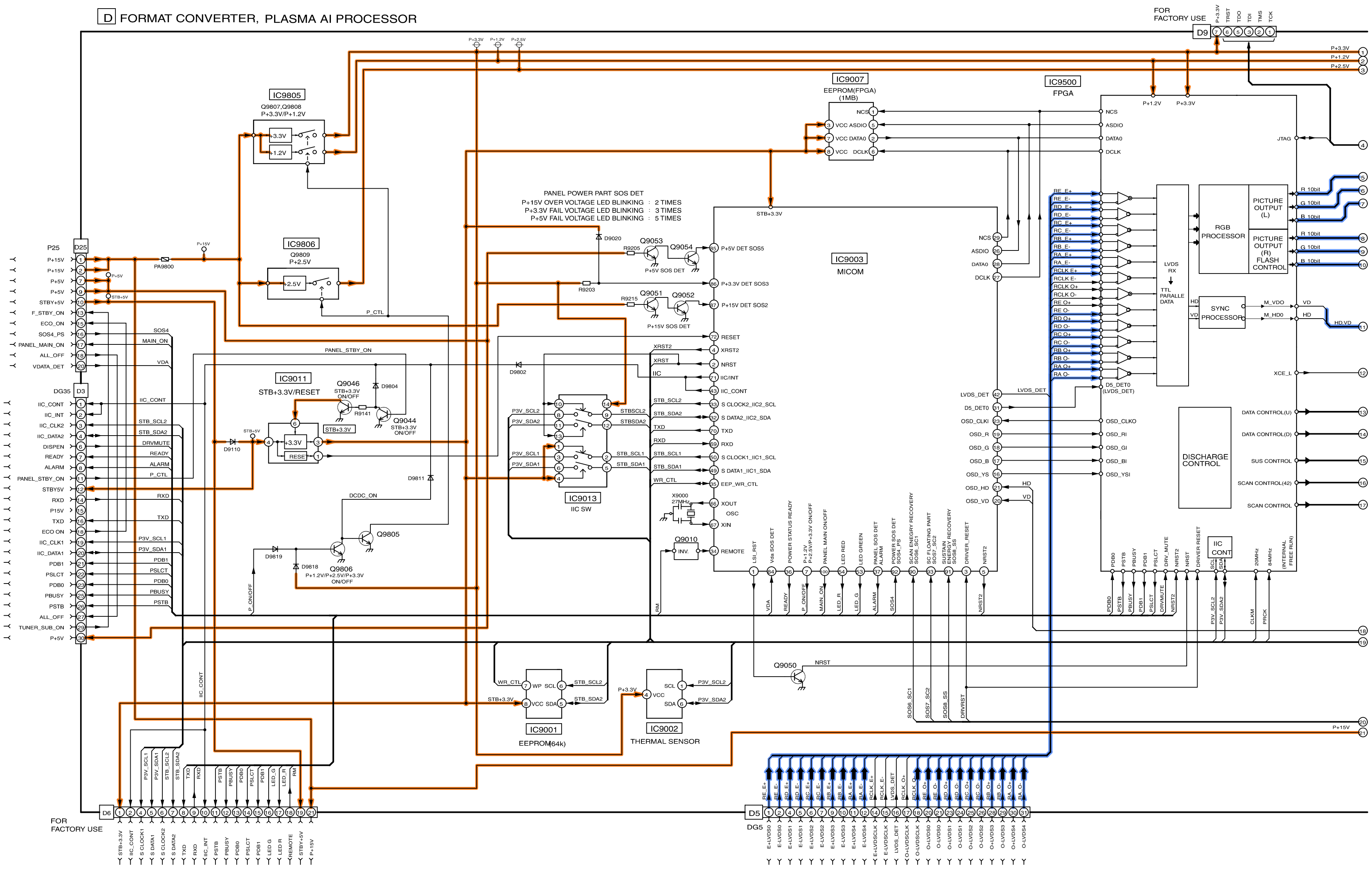
⚠ DG-BOARD TNPA4415S (13/14)

Front End

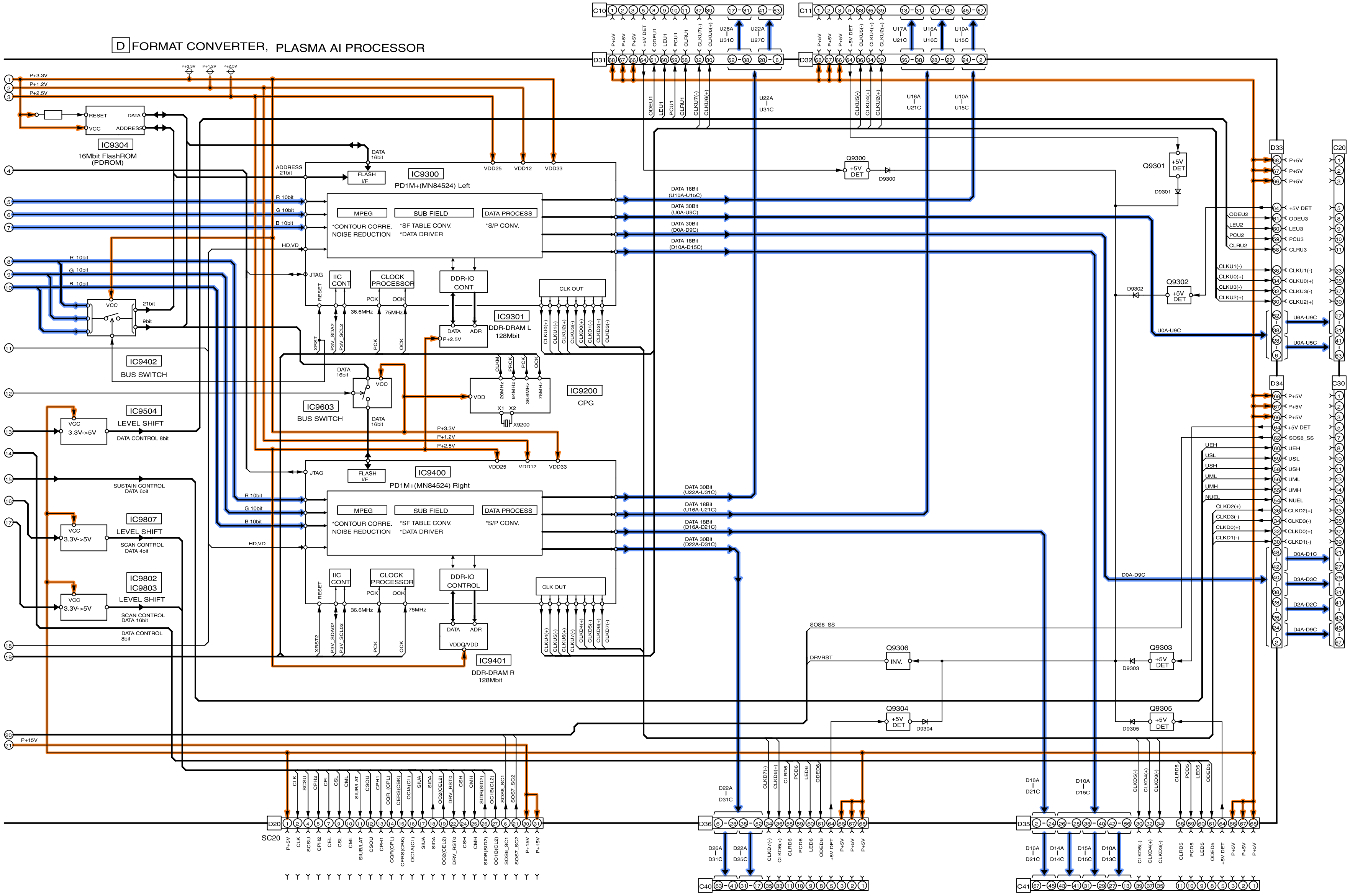
15.30. DG-Board (14 of 14) Schematic Diagram


DG-BOARD TNPA4415S (14/14)
LVDS etc
STB5V
R4166 10k
Q4015 2SD0601A0L
R4167 47k
Q4014 2SD0601A0L
R4162 100k
Genx AG_PANEL_STBY_ON/PANEL_VCC_ON
to(6/14)
GenX4
to(6/14) AG_SRQ-GENX
to(5/14)(6/14) AG_ECO_ON AG_TV_SUB_ON
AG_ECO_ON
AG_TV_SUB_ON
PANEL_STBY/VCC_ON
Lite2
to(1/14) PANEL_STATUS VI2P10
PANEL_SOS VI2P21
to(3/14) PANEL_MUTE
FOR FACTORY USE
DG18
STB5V
SRQ1
GND
GenX SCL1
GenX SDA1
Lite2 SCL3
Lite2 SDA3
Lite2 SCL1
Lite2 SDA1
Lite2 SCL2
Lite2 SDA2
SCL
SDA
AD_SCL3
AD_SDA3
AD_SCL1
AD_SDA1
AD_SCL2
AD_SDA2
R4153 100
R4154 100
FOR FACTORY USE
DG17
STB3.3V
TP8503
R4151 0
STB3.3V
IIC_CONT/SRQ
GND
Panel_SCL (Panel Dpr.E2PROM)
Panel_SDA (Panel Dpr.E2PROM)
LITE2_SCL0 (Device Control)
LITE2_SDA0 (Device Control)
Panel_TXD
Panel_RXD
IIC_CONT
GND
STB5V
AR_PANEL_SCL
AR_PANEL_SDA
AD_SCL0
AD_SDA0
D_TXD
D_RXD
D_IIC_CONT
D_IIC_INT
D_PDB1
D_PSLCT
D_PDB0
D_PBUSY
D_PSTB
D_15V
TP8501
SBI0
SBO0
TP8500
SUB3.3V
CFG_TCK
CFG_TMS
CFG_TDO
CFG_TDI
CFG_TRST
TO D-BOARD (D3)
DG35
IIC_CLK2
IIC_DATA1
DISPEN
READY
ALARM
INEXCH
TP4700
TP4701
R4736 100
R4737 1k
R4738 1k
R4739 100k
R4740 100k
R4741 1k
PANEL_MUTE
VI2P10
VI2P21
PANEL_STBY/VCC_ON
STB5V
ECO_ON
IIC_CLK1
IIC_DATA1
Panasonic_Mode
ALL OFF
F_STB_ON
P5V
R4742 100
R4743 1k
AG_ECO_ON
AD_SCL0
AD_SDA0
AG_TV_SUB_ON
D_IIC_CONT
D_IIC_INT
AR_PANEL_SCL
AR_PANEL_SDA
D_RXD
D_TXD
D_PDB1
D_PSLCT
D_PDB0
D_PBUSY
D_PSTB
IIC
AD_SCL0
AD_SDA0
AD_SCL1
AD_SDA1
AD_SCL2
AD_SDA2
AD_SCL3
AD_SDA3
GenX4
to Sheet 008
SCL
SDA
GND
C1
C2
TOP SIDE
C3
C4
C5
C6
C7
C8
BOTTOM SIDE
C9
C10
C11
C12
R4701 0
R4702 0
R4703 0
ZA4701 K4AD01D00004
ZA4702 K4AD01D00004
ZA4703 K4AD01D00004
R4718 0
R4719 0
R4720 0
R4721 0
R4722 0
R4723 0
R4724 0
R4725 0
R4726 0
R4727 0
R4728 0
R4729 0
R4712 0
R4713 0
R4714 0
R4715 0
R4716 0
R4717 0
R4730 0
R4731 0
R4732 0
R4733 0
R4734 0
R4735 0
DTV9V
C4701 50V 1000p
C4702 10V 0.1u
C4703 50V 1000p
C4704 10V 0.1u
C4705 10V 0.1u
C4727 10V 0.1u
C4728 10V 0.1u
STB5V
C4751 10V 0.1u
C4752 10V 0.1u
C4753 10V 0.1u
C4754 10V 0.1u
C4755 10V 0.1u
SUB5V
C4795 50V 1000p
C4796 50V 1000p
C4797 50V 1000p
C4798 50V 1000p
C4711 10V 0.1u
C4712 10V 0.1u
C4713 50V 1000p
C4714 50V 1000p
C4715 10V 0.1u
C4716 50V 1000p
C4717 50V 1000p
C4718 50V 1000p
C4719 50V 1000p
C4725 10V 0.1u
C4726 10V 0.1u
BT30V
C4761 50V 0.01u
C4762 50V 0.01u
C4763 50V 0.01u
MAIN9V
C4721 10V 0.1u
C4722 50V 1000p
C4724 50V 1000p
SUB3.3V
C4741 50V 1000p
C4742 10V 0.1u
C4743 50V 1000p
C4744 10V 0.1u
C4745 10V 0.1u
C4746 50V 1000p
C4771 10V 0.1u
C4772 50V 1000p
C4773 10V 0.1u
C4774 10V 0.1u
C4775 10V 0.1u
C4776 50V 1000p
C4777 10V 0.1u
C4778 10V 0.1u
C4779 10V 0.1u

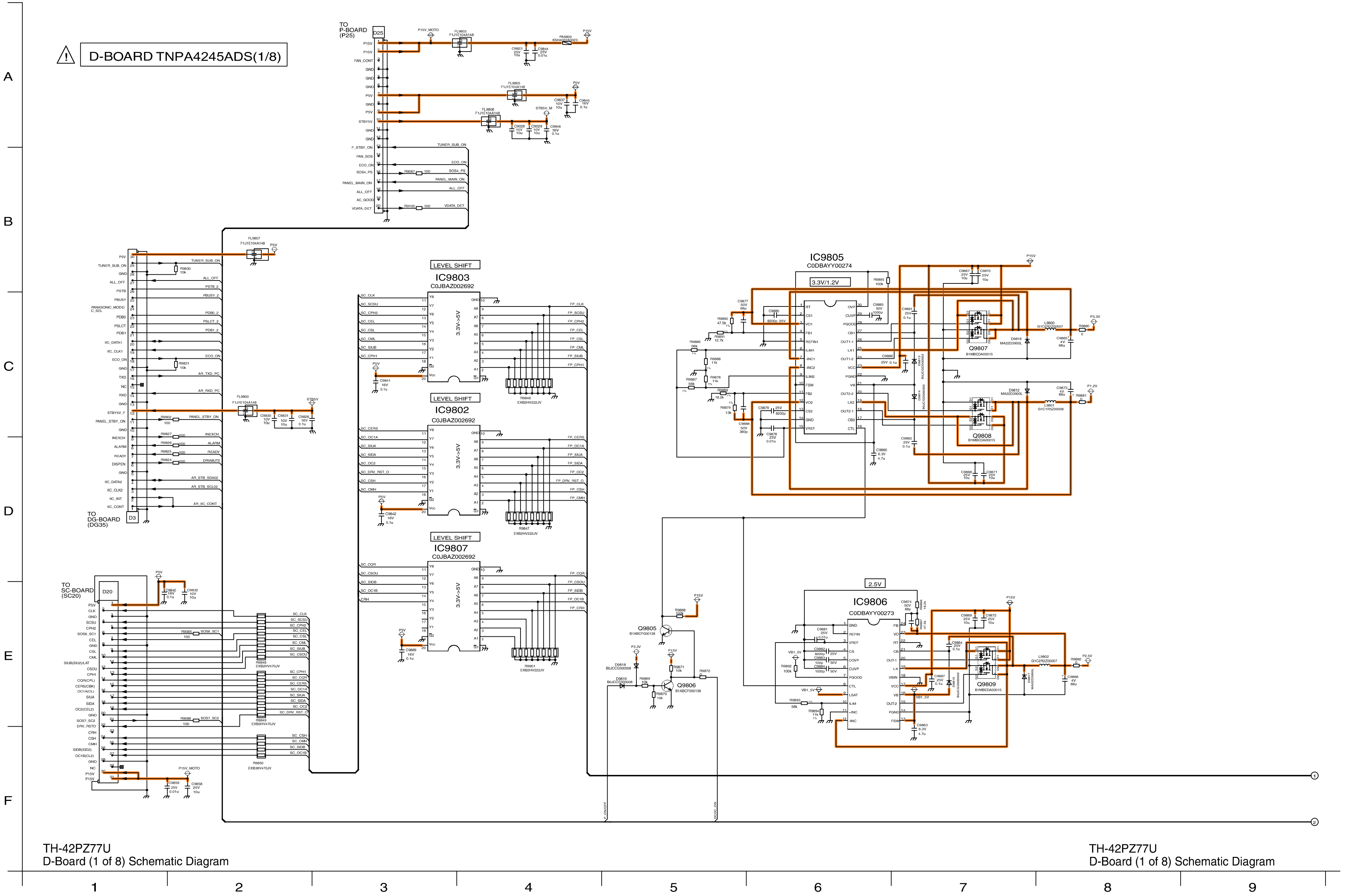
15.31. D-Board (1 of 2) Block Diagram


D FORMAT CONVERTER, PLASMA AI PROCESSOR
FOR FACTORY USE
D9
P+3.3V
TRST
TDO
TDI
TMS
TCK
IC9805
Q9807,Q9808
P+3.3V/P+1.2V
IC9806
Q9809
P+2.5V
IC9011
STB+3.3V/RESET
Q9046
STB+3.3V ON/OFF
Q9044
STB+3.3V ON/OFF
Q9805
Q9806
P+1.2V/P+2.5V/P+3.3V ON/OFF
IC9007
EEPROM(FPGA) (1MB)
IC9500
FPGA
IC9003
MICOM
IC9013
IIC SW
IC9001
EEPROM(64k)
IC9002
THERMAL SENSOR
Q9050
Q9010
INV.
X9000
27MHz
PANEL POWER PART SOS DET
P+15V OVER VOLTAGE LED BLINKING : 2 TIMES
P+3.3V FAIL VOLTAGE LED BLINKING : 3 TIMES
P+5V FAIL VOLTAGE LED BLINKING : 5 TIMES
Q9053
Q9054
Q9051
Q9052
P+5V SOS DET
P+15V SOS DET
P+5V DET SOS5
P+3.3V DET SOS3
P+15V DET SOS2
LVDS RX
TTL PARALLE DATA
RGB PROCESSOR
PICTURE OUTPUT (L)
PICTURE OUTPUT (R) FLASH CONTROL
SYNC PROCESSOR
DISCHARGE CONTROL
IIC CONT
DATA CONTROL(U)
DATA CONTROL(D)
SUS CONTROL
SCAN CONTROL(42)
SCAN CONTROL
JTAG
XCE_L
HD,VD
R 10bit
G 10bit
B 10bit
P+15V
P25
D25
DG35
D3
D6
FOR FACTORY USE
D5
DG5

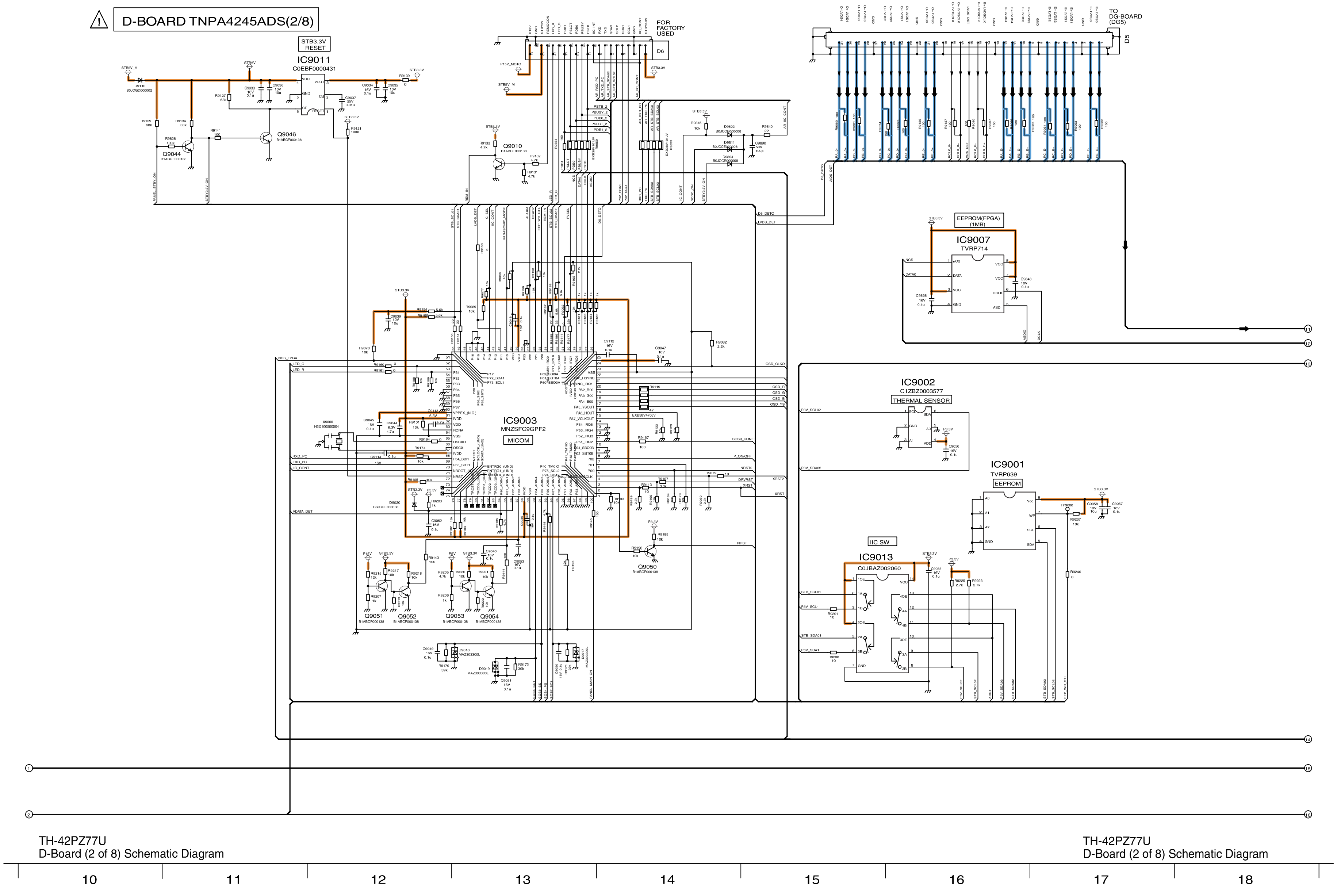
15.32. D-Board (2 of 2) Block Diagram


D FORMAT CONVERTER, PLASMA AI PROCESSOR
IC9304
16Mbit FlashROM
(PDROM)
RESET
VCC
DATA
ADDRESS
P+3.3V
P+1.2V
P+2.5V
IC9300
PD1M+(MN84524) Left
FLASH I/F
ADDRESS 21bit
DATA 16bit
MPEG
SUB FIELD
DATA PROCESS
*CONTOUR CORRE.
NOISE REDUCTION
*SF TABLE CONV.
*DATA DRIVER
*S/P CONV.
IIC CONT
CLOCK PROCESSOR
DDR-IO CONT
CLK OUT
VDD25
VDD12
VDD33
R 10bit
G 10bit
B 10bit
HD,VD
JTAG
RESET
XRST
P3V_SDA2
P3V_SCL2
PCK
OCK
36.6MHz
75MHz
IC9301
DDR-DRAM L
128Mbit
DATA
ADR
P+2.5V
IC9402
BUS SWITCH
VCC
21bit
9bit
IC9603
BUS SWITCH
DATA 16bit
IC9200
CPG
VDD
CLKM
PRCK
X1
X2
X9200
20MHz
84MHz
36.6MHz
IC9504
LEVEL SHIFT
3.3V->5V
DATA CONTROL 8bit
SUSTAIN CONTROL
DATA 6bit
IC9807
LEVEL SHIFT
SCAN CONTROL
DATA 4bit
IC9802
IC9803
LEVEL SHIFT
SCAN CONTROL
DATA 16bit
DATA CONTROL
8bit
IC9400
PD1M+(MN84524) Right
DDR-IO CONTROL
XRST2
P3V_SDA02
P3V_SCL02
IC9401
DDR-DRAM R
128Mbit
VDDQ/VDD
DATA 18Bit (U10A-U15C)
DATA 30Bit (U0A-U9C)
DATA 30Bit (D0A-D9C)
DATA 18Bit (D10A-D15C)
DATA 30Bit (U22A-U31C)
DATA 18Bit (U16A-U21C)
DATA 18Bit (D16A-D21C)
DATA 30Bit (D22A-D31C)
Q9300
Q9301
Q9302
Q9303
Q9304
Q9305
Q9306
+5V DET
INV.
D9300
D9301
D9302
D9303
D9304
D9305
SOS8_SS
DRVRST
U0A-U9C
D0A-D9C
P+15V
C10
D31
C11
D32
C20
D33
C30
D34
D20
SC20
D36
C40
D35
C41
P+5V
+5V DET
ODEU1
LEU1
PCU1
CLRU1
CLKU7(-)
CLKU6(+)
U28A
U31C
U22A
U27C
CLKU5(-)
CLKU4(+)
CLKU2(+)
U17A
U21C
U16A
U16C
U10A
U15C
ODEU2
LEU2
PCU2
CLRU2
ODEU3
LEU3
PCU3
CLRU3
CLKU1(-)
CLKU0(+)
CLKU3(-)
CLKU2(+)
U6A-U9C
U0A-U5C
SOS8_SS
UEH
USL
USH
UML
UMH
NUEL
CLKD2(+)
CLKD3(-)
CLKD0(+)
CLKD1(-)
D0A-D1C
D3A-D3C
D2A-D2C
D4A-D9C
CLK
SCSU
CPH2
CEL
CSL
CML
SUBLAT
CSOU
CPH1
CQR(CPL)
CERS(CBK)
OC1A(CL)
SIUA
SIDA
OC2(CEL2)
DRV_RST0
CSH
CMH
SIDB(SID2)
OC1B(CL2)
SOS6_SC1
SOS7_SC2
D22A
D31C
D26A
D25C
CLKD7(-)
CLKD6(+)
CLRD6
PCD6
LED6
ODED6
D16A
D21C
D14A
D14C
D15A
D15C
D10A
D13C
CLKD5(-)
CLKD4(+)
CLKD3(-)
CLRD5
PCD5
LED5
ODED5

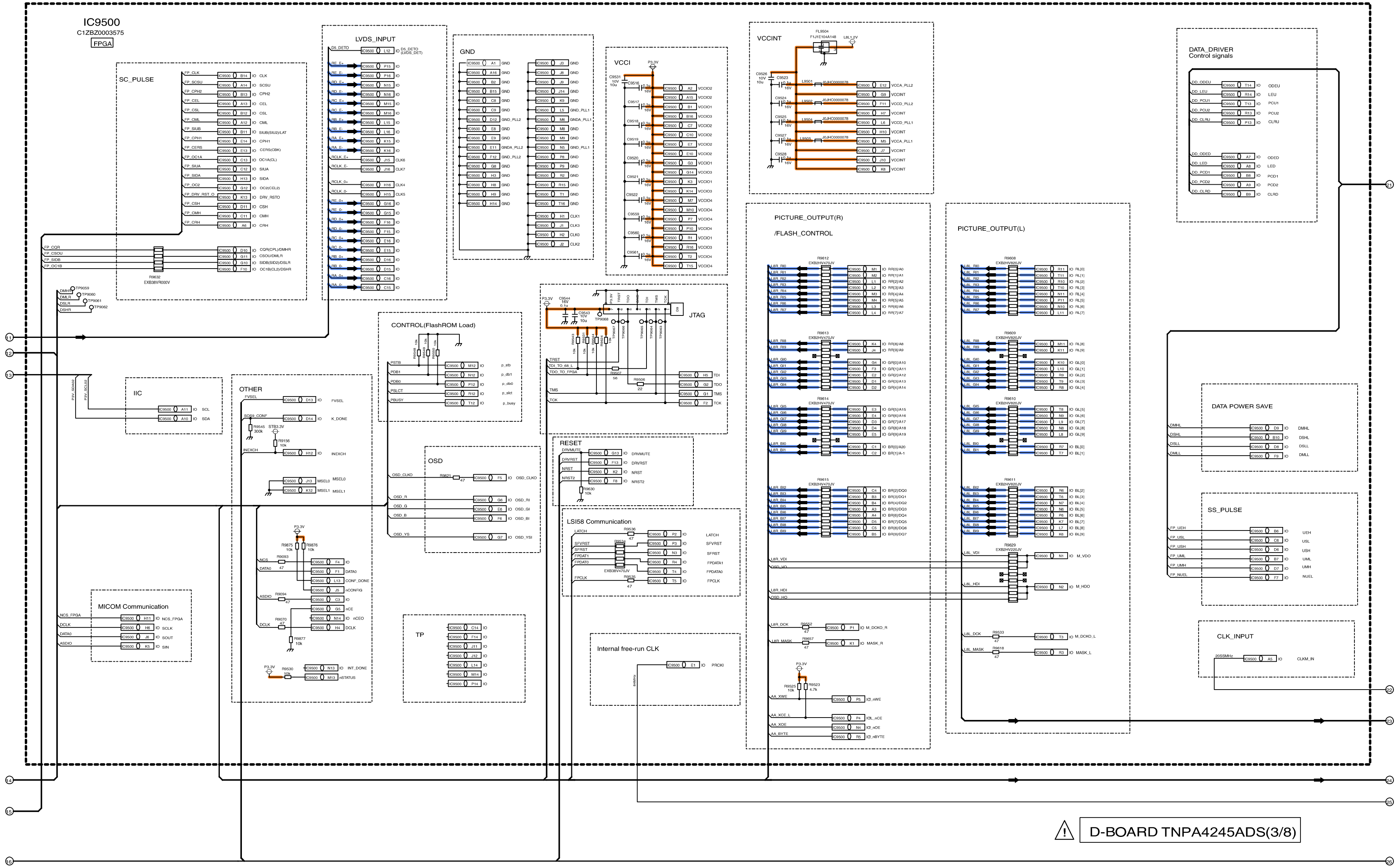
15.33. D-Board (1 of 8) Schematic Diagram


D-BOARD TNPA4245ADS(1/8)
TO P-BOARD (P25)
D25
TO DG-BOARD (DG35)
D3
TO SC-BOARD (SC20)
D20
LEVEL SHIFT
IC9803
C0JBAZ002692
LEVEL SHIFT
IC9802
C0JBAZ002692
LEVEL SHIFT
IC9807
C0JBAZ002692
3.3V->5V
IC9805
C0DBAYY00274
3.3V/1.2V
IC9806
C0DBAYY00273
2.5V
Q9807
B1MBEDA00015
Q9808
B1MBEDA00015
Q9809
B1MBEDA00015
Q9805
B1ABCF000138
Q9806
B1ABCF000138
P15V
P5V
P3.3V
P1.2V
P2.5V
STBY5V
P15V_MOTO
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TH-42PZ77U
D-Board (1 of 8) Schematic Diagram
TH-42PZ77U
D-Board (1 of 8) Schematic Diagram

15.34. D-Board (2 of 8) Schematic Diagram


⚠ D-BOARD TNPA4245ADS(2/8)
STB3.3V RESET
IC9011
C0EBF0000431
Q9044
B1ABCF000138
Q9046
B1ABCF000138
D9110
B0JCGD000002
FOR FACTORY USED
D6
Q9010
B1ABCF000138
TO DG-BOARD (DG5)
D5
EEPROM(FPGA) (1MB)
IC9007
TVRP714
IC9003
MN2SFC9GPF2
MICOM
X9000
H2D100500004
D9020
B0JCCE000008
IC9002
C1ZBZ0003577
THERMAL SENSOR
IC9001
TVRP639
EEPROM
IIC SW
IC9013
C0JBAZ002060
Q9050
B1ABCF000138
Q9051
B1ABCF000138
Q9052
B1ABCF000138
Q9053
B1ABCF000138
Q9054
B1ABCF000138
TH-42PZ77U
D-Board (2 of 8) Schematic Diagram
TH-42PZ77U
D-Board (2 of 8) Schematic Diagram
10
11
12
13
14
15
16
17
18

15.35. D-Board (3 of 8) Schematic Diagram


IC9500
C1ZBZ0003575
FPGA
SC_PULSE
LVDS_INPUT
GND
VCCI
VCCINT
DATA_DRIVER
Control signals
PICTURE_OUTPUT(R)
/FLASH_CONTROL
PICTURE_OUTPUT(L)
CONTROL(FlashROM Load)
JTAG
IIC
OTHER
OSD
RESET
LSI58 Communication
Internal free-run CLK
MICOM Communication
TP
DATA POWER SAVE
SS_PULSE
CLK_INPUT
D-BOARD TNPA4245ADS(3/8)

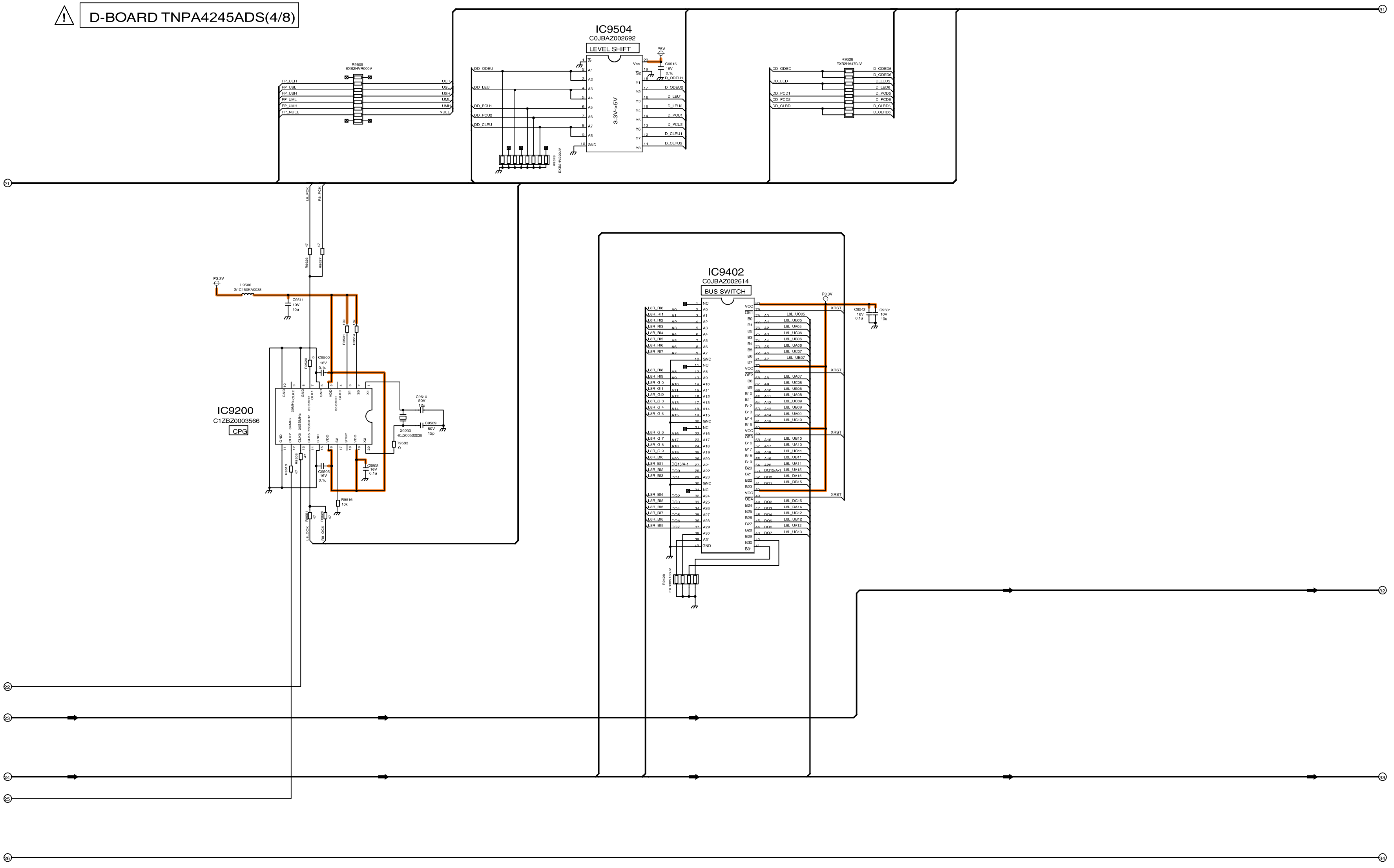
TH-42PZ77U
D-Board (3 of 8) Schematic Diagram

TH-42PZ77U
D-Board (3 of 8) Schematic Diagram

19	20	21	22	23	24	25	26	27

15.36. D-Board (4 of 8) Schematic Diagram

⚠ D-BOARD TNPA4245ADS(4/8)

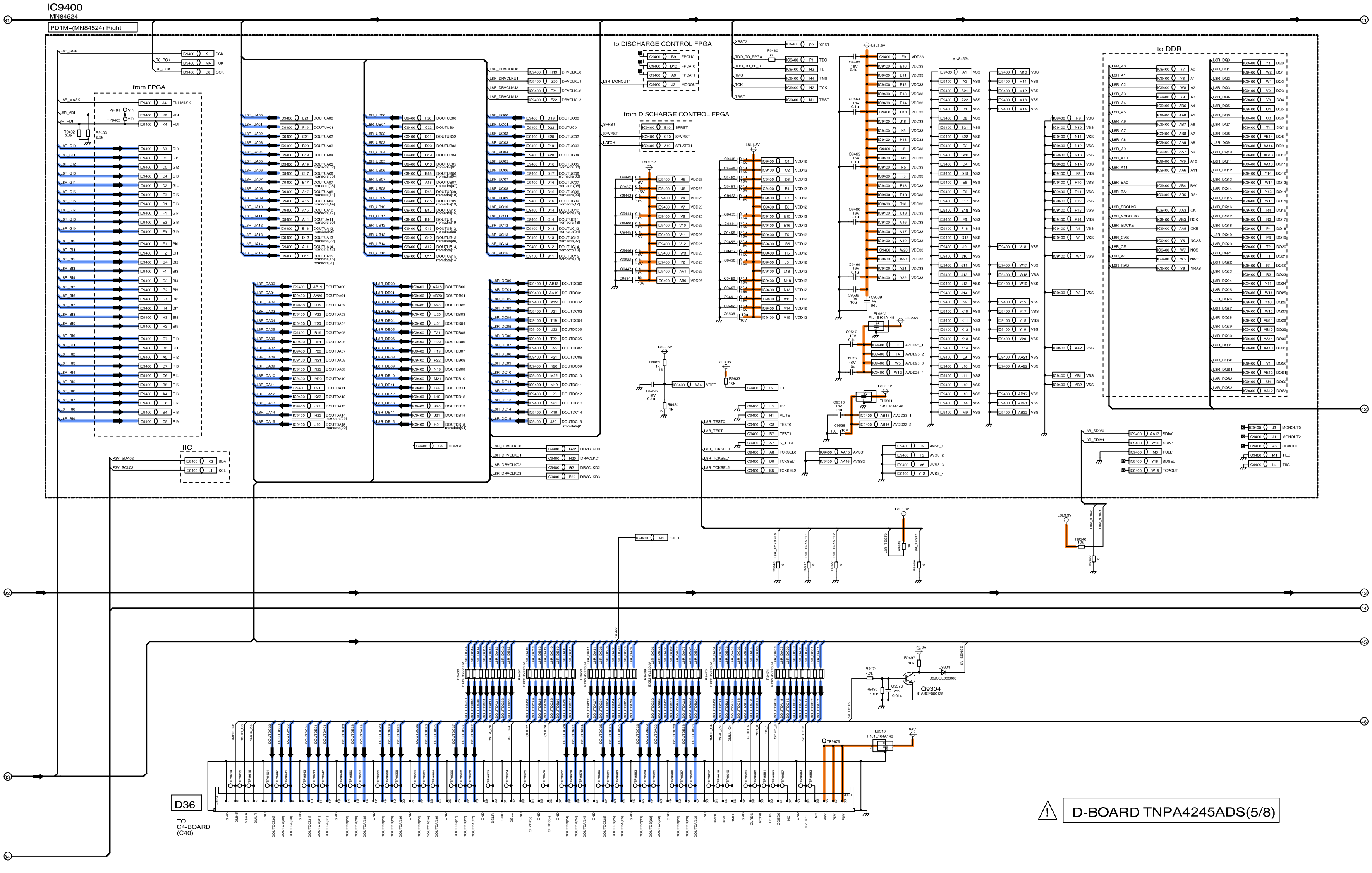

IC9504
C0JBAZ002692
LEVEL SHIFT
3.3V->5V
IC9402
C0JBAZ002614
BUS SWITCH
IC9200
C1ZBZ0003566
CPG
R9625
EXB2HV600V
R9628
EXB2HV470JV
R9508
R9426
L9500
G1C150KA0038
X9200
H0J200500038
P3.3V
P5V
XRST
LR_PCK
RR_PCK
LR_OCK
RR_OCK

TH-42PZ77U
D-Board (4 of 8) Schematic Diagram

TH-42PZ77U
D-Board (4 of 8) Schematic Diagram

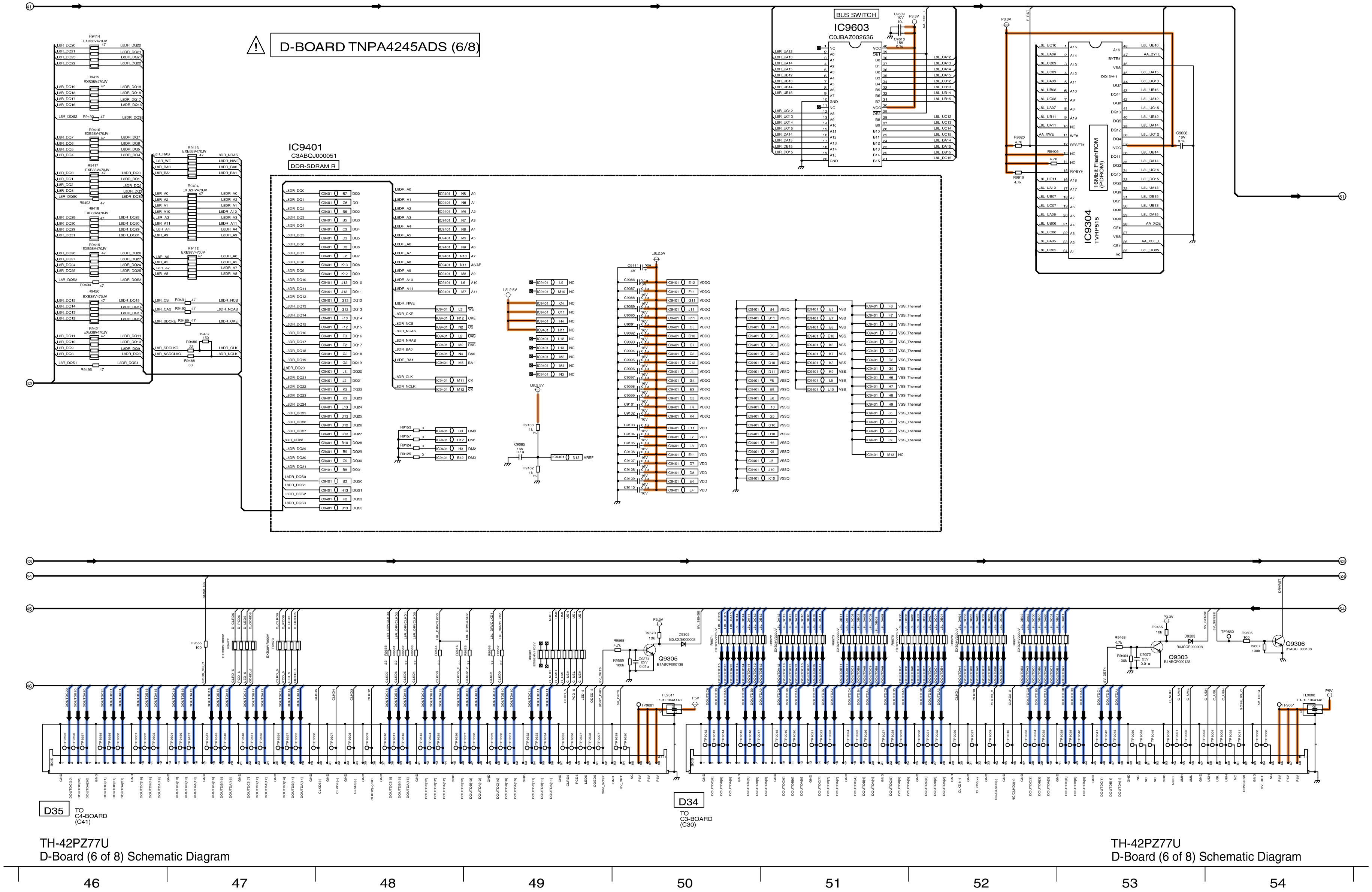
28 29 30 31 32 33 34 35 36

15.37. D-Board (5 of 8) Schematic Diagram

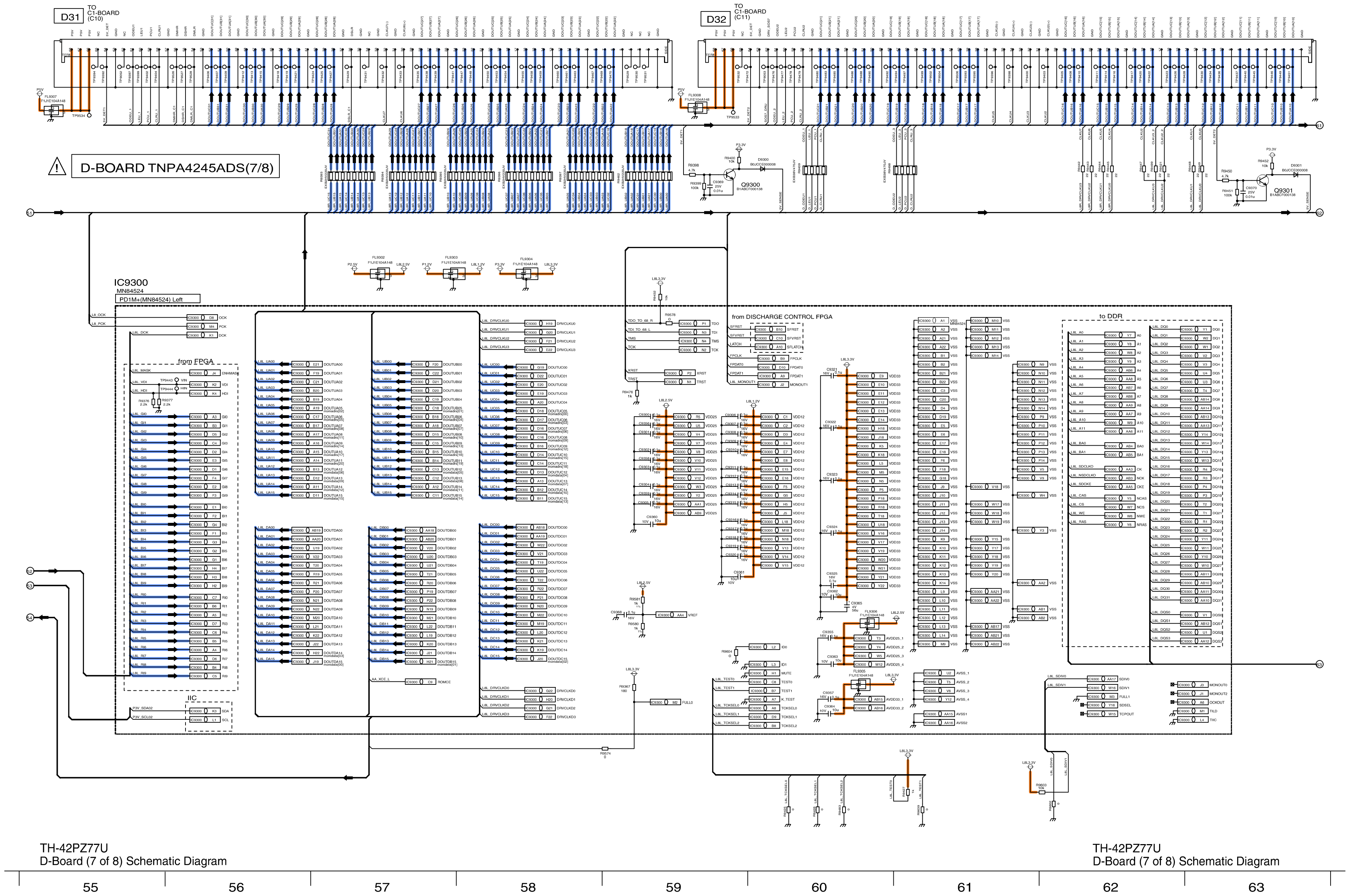

IC9400
MN84524
PD1M+(MN84524) Right
from FPGA
IIC
to DISCHARGE CONTROL FPGA
from DISCHARGE CONTROL FPGA
to DDR
MN84524
Q9304
B1ABCF000138
D9304
B0JCCE000008
FL9310
F1J1E104A148
FL9501
F1J1E104A148
FL9502
F1J1E104A148
D36
TO
C4-BOARD
(C40)

⚠ D-BOARD TNPA4245ADS(5/8)

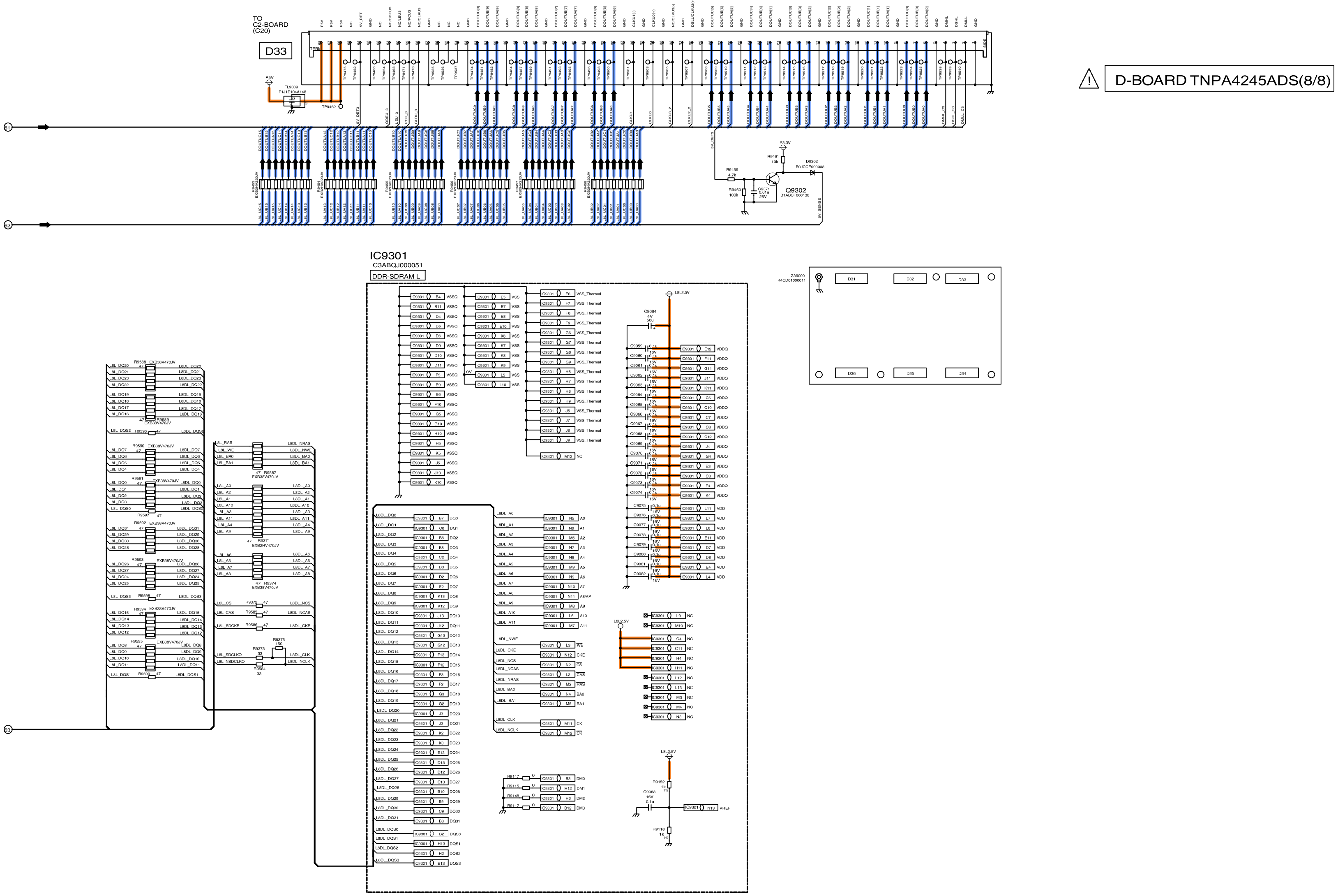
15.38. D-Board (6 of 8) Schematic Diagram


D-BOARD TNPA4245ADS (6/8)
IC9401
C3ABQJ000051
DDR-SDRAM R
BUS SWITCH
IC9603
C0JBAZ002636
IC9304
TVRP515
16Mbit FlashROM
(PDROM)
Q9303
B1ABCF000138
Q9305
B1ABCF000138
Q9306
B1ABCF000138
D34
TO
C3-BOARD
(C30)
D35
TO
C4-BOARD
(C41)
TH-42PZ77U
D-Board (6 of 8) Schematic Diagram
TH-42PZ77U
D-Board (6 of 8) Schematic Diagram
46
47
48
49
50
51
52
53
54

15.39. D-Board (7 of 8) Schematic Diagram

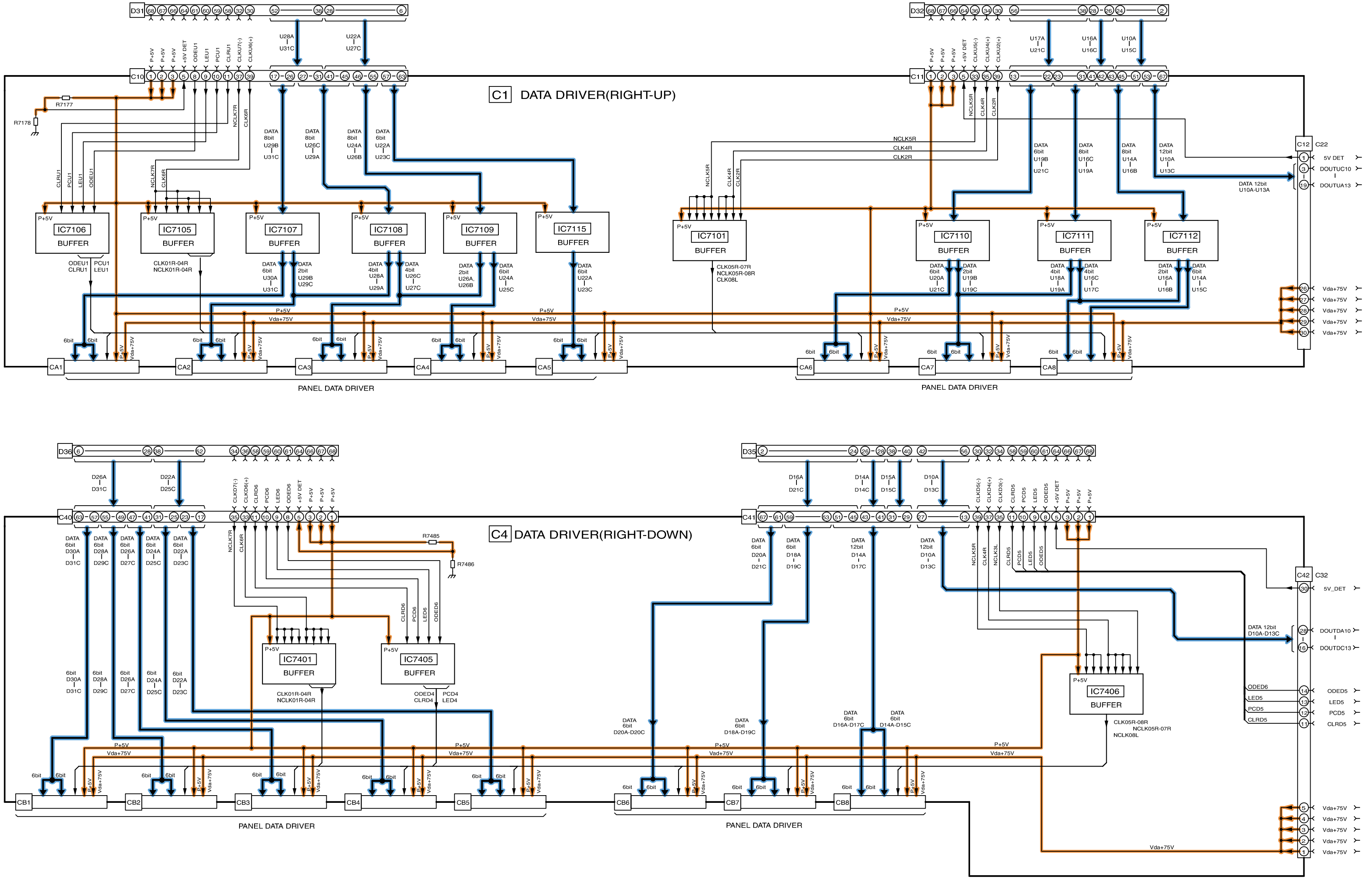

D31
TO C1-BOARD (C10)
D32
TO C1-BOARD (C11)
D-BOARD TNPA4245ADS(7/8)
Q9300
B1ABCF000138
Q9301
B1ABCF000138
D9300
B0JCCE000008
D9301
B0JCCE000008
FL9307
F1J1E104A148
FL9308
F1J1E104A148
FL9302
F1J1E104A148
FL9303
F1J1E104A148
FL9304
F1J1E104A148
FL9305
F1J1E104A148
FL9306
F1J1E104A148
P5V
P3.3V
P2.5V
P1.2V
LBL3.3V
LBL2.5V
LBL1.2V
IC9300
MN84524
PD1M+(MN84524) Left
from FPGA
IIC
from DISCHARGE CONTROL FPGA
to DDR
VDD33
VDD25
VDD12
VSS
TH-42PZ77U
D-Board (7 of 8) Schematic Diagram
TH-42PZ77U
D-Board (7 of 8) Schematic Diagram
55
56
57
58
59
60
61
62
63

15.40. D-Board (8 of 8) Schematic Diagram


TO
C2-BOARD
(C20)
D33
P5V
FL9309
TP9448
P3.3V
R9461
10k
D9302
B0JCCE000008
R9459
4.7k
R9460
100k
C9371
0.01u
25V
Q9302
B1ABCF000138
IC9301
C3ABQJ000051
DDR-SDRAM L
ZA9000
K4CD01000011
D31
D32
D33
D36
D35
D34
L8L2.5V
D-BOARD TNPA4245ADS(8/8)

64 65 66 67 68 69 70 71 72

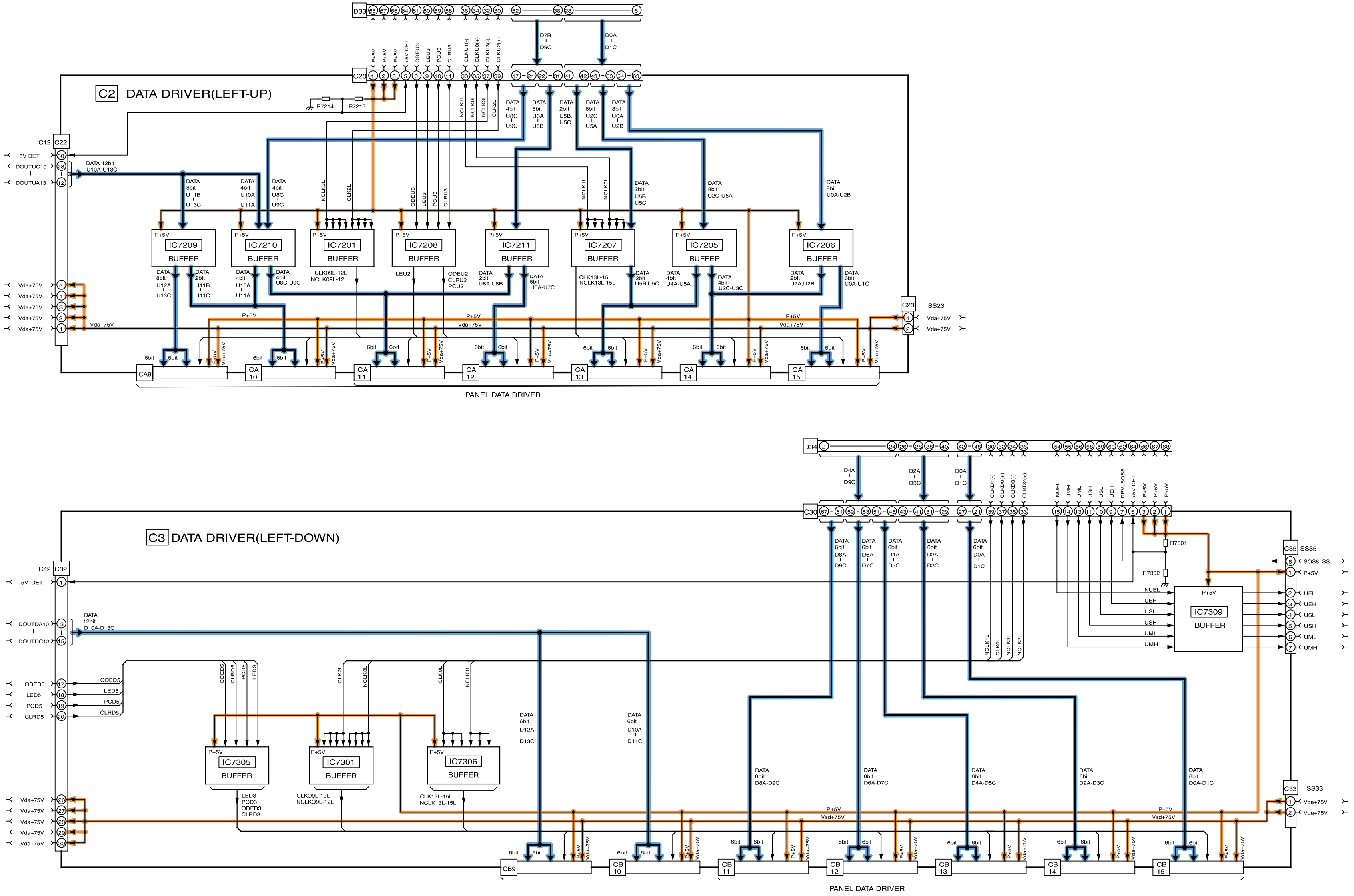
15.41. C1 and C4-Board Block Diagram


C1 DATA DRIVER(RIGHT-UP)
C4 DATA DRIVER(RIGHT-DOWN)
D31
D32
D35
D36
C10
C11
C12
C22
C32
C40
C41
C42
IC7106 BUFFER
IC7105 BUFFER
IC7107 BUFFER
IC7108 BUFFER
IC7109 BUFFER
IC7115 BUFFER
IC7101 BUFFER
IC7110 BUFFER
IC7111 BUFFER
IC7112 BUFFER
IC7401 BUFFER
IC7405 BUFFER
IC7406 BUFFER
R7177
R7178
R7485
R7486
P+5V
+5V DET
ODEU1
LEU1
PCU1
CLRU1
CLKU7(-)
CLKU6(+)
CLKU5(-)
CLKU4(+)
CLKU2(+)
NCLK7R
CLK6R
NCLK5R
CLK4R
CLK2R
CLK01R-04R
NCLK01R-04R
CLK05R-07R
NCLK05R-08R
CLK08L
CLK05R-08R
NCLK05R-07R
NCLK08L
5V DET
5V_DET
DOUTUC10
DOUTUA13
DATA 12bit U10A-U13A
DOUTDA10
DOUTDC13
DATA 12bit D10A-D13C
ODED5
LED5
PCD5
CLRD5
ODED6
LED6
PCD6
CLRD6
ODED4
CLRD4
PCD4
LED4
CLKD7(-)
CLKD6(+)
CLKD5(-)
CLKD4(+)
CLKD3(-)
NCLK3L
Vda+75V
Vad+75V
6bit
CA1
CA2
CA3
CA4
CA5
CA6
CA7
CA8
CB1
CB2
CB3
CB4
CB5
CB6
CB7
CB8
PANEL DATA DRIVER
DATA 20A-D20C
DATA D18A-D19C
DATA D16A-D17C
DATA D14A-D15C

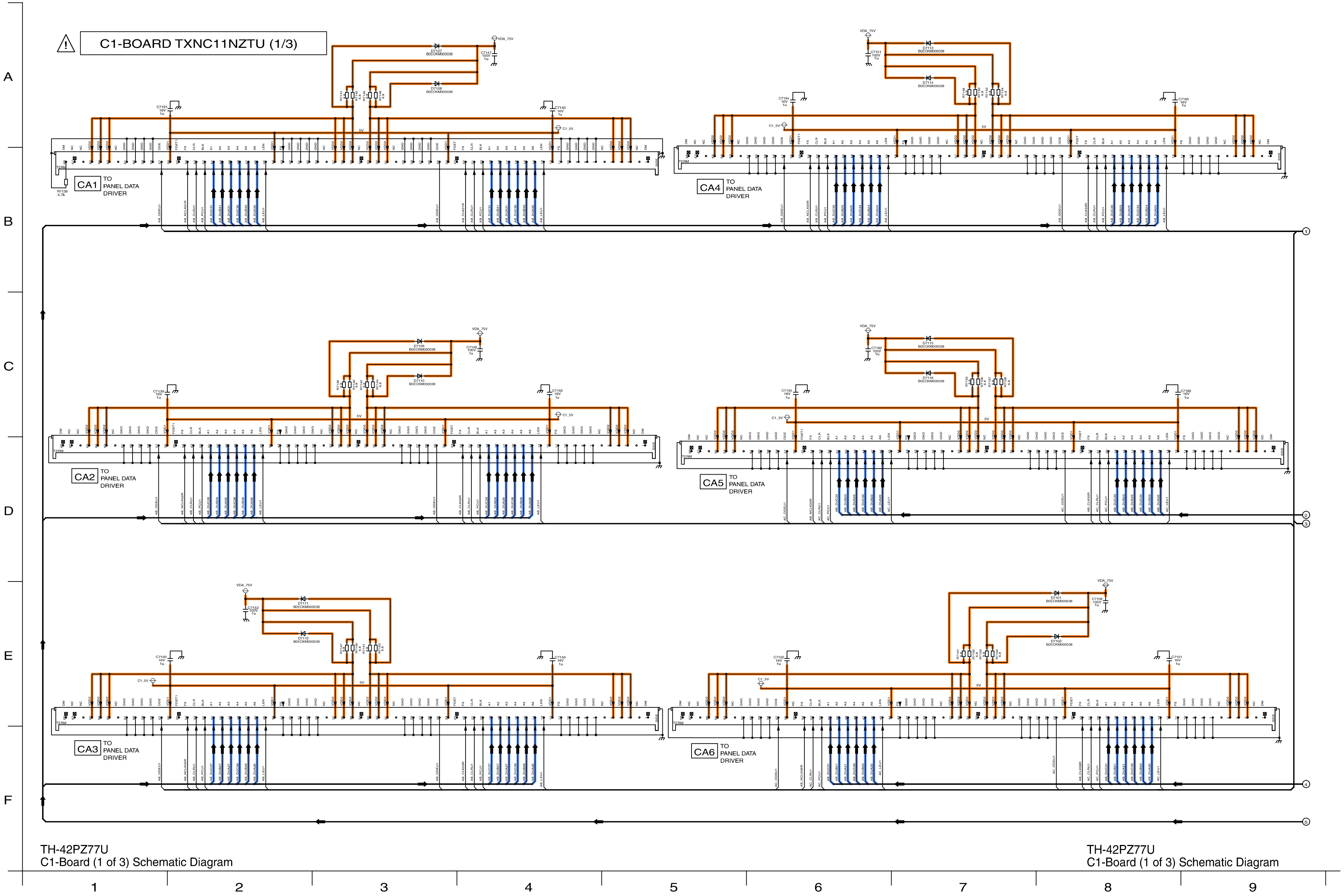
TH-42PZ77U
C1 and C4-Board Block Diagram

TH-42PZ77U
C1 and C4-Board Block Diagram

15.42. C2 and C3-Board Block Diagram


C2 DATA DRIVER(LEFT-UP)
D33
C20
C12 C22
5V DET
DOUTUC10 ~ DOUTUA13
DATA 12bit U10A-U13C
Vda+75V
P+5V
+5V DET
ODEU3
LEU3
PCU3
CLRU3
CLKU1(-)
CLKU0(+)
CLKU3(-)
CLKU2(+)
NCLK1L
NCLK0L
NCLK3L
CLK2L
R7214
R7213
D7B ~ D9C
D0A ~ D1C
IC7209 BUFFER
IC7210 BUFFER
IC7201 BUFFER
IC7208 BUFFER
IC7211 BUFFER
IC7207 BUFFER
IC7205 BUFFER
IC7206 BUFFER
CLK09L-12L NCLK09L-12L
CLK13L-15L NCLK13L-15L
LEU2
ODEU2 CLRU2 PCU2
6bit
CA9
CA 10
CA 11
CA 12
CA 13
CA 14
CA 15
PANEL DATA DRIVER
C23
SS23
C3 DATA DRIVER(LEFT-DOWN)
D34
C30
C42 C32
5V_DET
DOUTDA10 ~ DOUTDC13
DATA 12bit D10A-D13C
ODED5
LED5
PCD5
CLRD5
IC7305 BUFFER
IC7301 BUFFER
IC7306 BUFFER
IC7309 BUFFER
LED3 PCD3 ODED3 CLRD3
CLKD1(-)
CLKD0(+)
CLKD3(-)
CLKD2(+)
NUEL
UMH
UML
USH
USL
UEH
UEL
DRV_SOS8
SOS8_SS
R7301
R7302
C35
SS35
C33
SS33
Vad+75V
CB9
CB 10
CB 11
CB 12
CB 13
CB 14
CB 15
PANEL DATA DRIVER

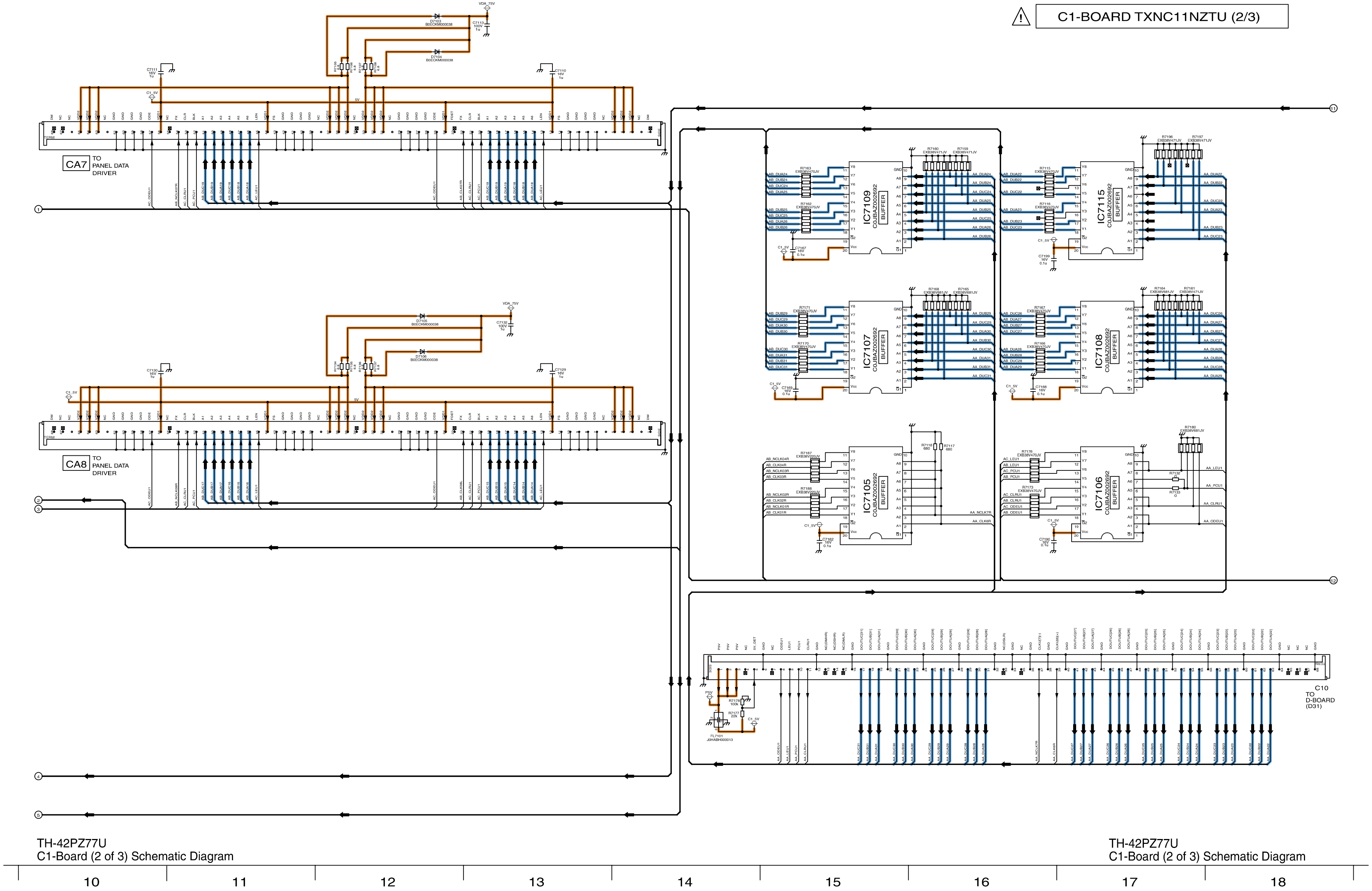
15.43. C1-Board (1 of 3) Schematic Diagram


C1-BOARD TXNC11NZTU (1/3)
CA1
TO
PANEL DATA
DRIVER
CA2
TO
PANEL DATA
DRIVER
CA3
TO
PANEL DATA
DRIVER
CA4
TO
PANEL DATA
DRIVER
CA5
TO
PANEL DATA
DRIVER
CA6
TO
PANEL DATA
DRIVER
VDA_75V
C1_5V
5V
D7107
D7108
D7109
D7110
D7111
D7112
D7113
D7114
D7115
D7116
D7101
D7102
B0ECKM000038
R7138
4.7k
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-42PZ77U
C1-Board (1 of 3) Schematic Diagram

TH-42PZ77U
C1-Board (1 of 3) Schematic Diagram

15.44. C1-Board (2 of 3) Schematic Diagram

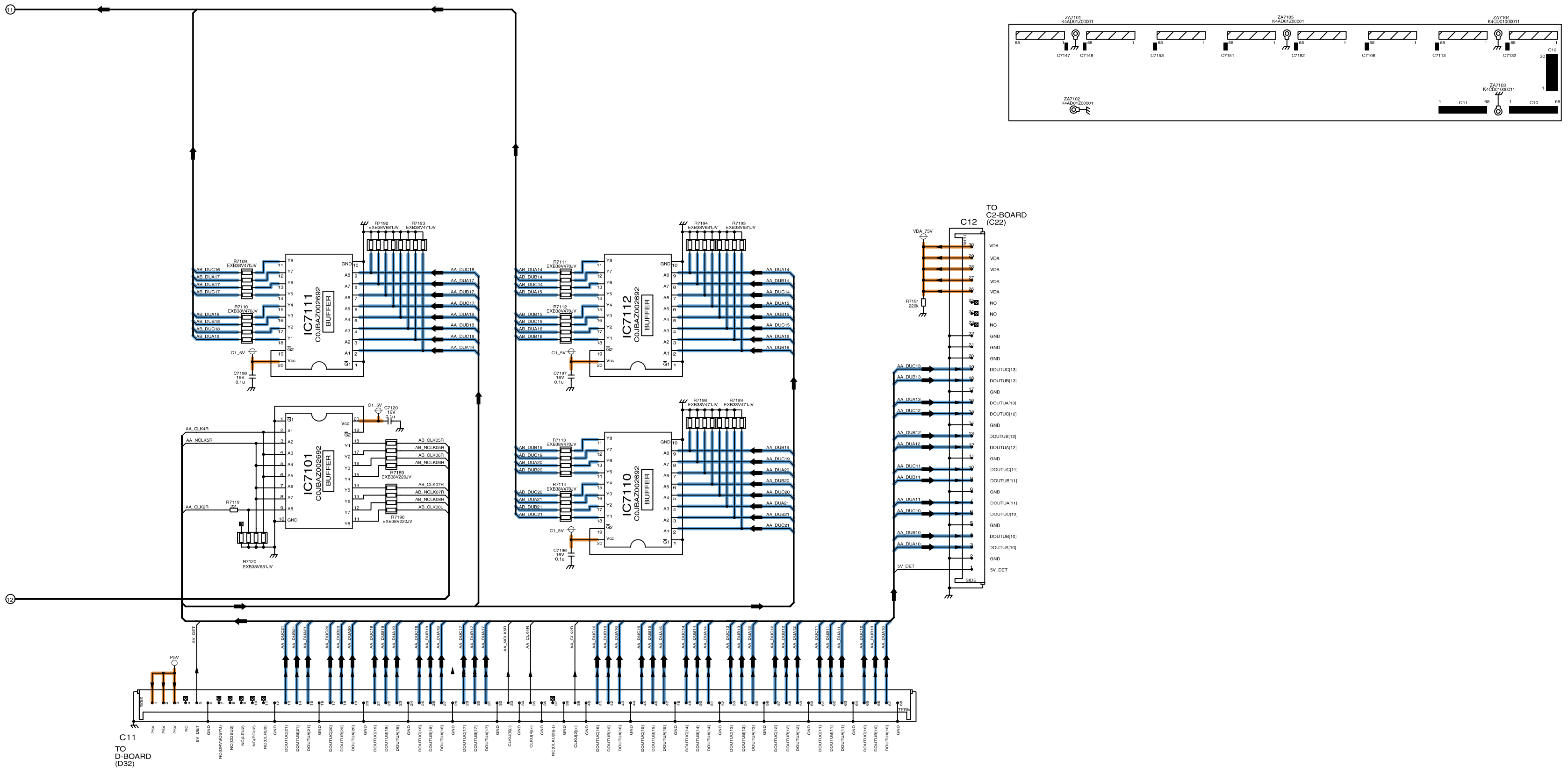

C1-BOARD TXNC11NZTU (2/3)
CA7
TO PANEL DATA DRIVER
CA8
TO PANEL DATA DRIVER
IC7109
IC7115
IC7107
IC7108
IC7105
IC7106
C0JBAZ002692
BUFFER
C10
TO D-BOARD (D31)
D7103
D7104
D7105
D7106
B0ECKM000038
VDA_75V
C1_5V
5V
FL7101
J0HABH000013
10
11
12
13
14
15
16
17
18

TH-42PZ77U
C1-Board (2 of 3) Schematic Diagram

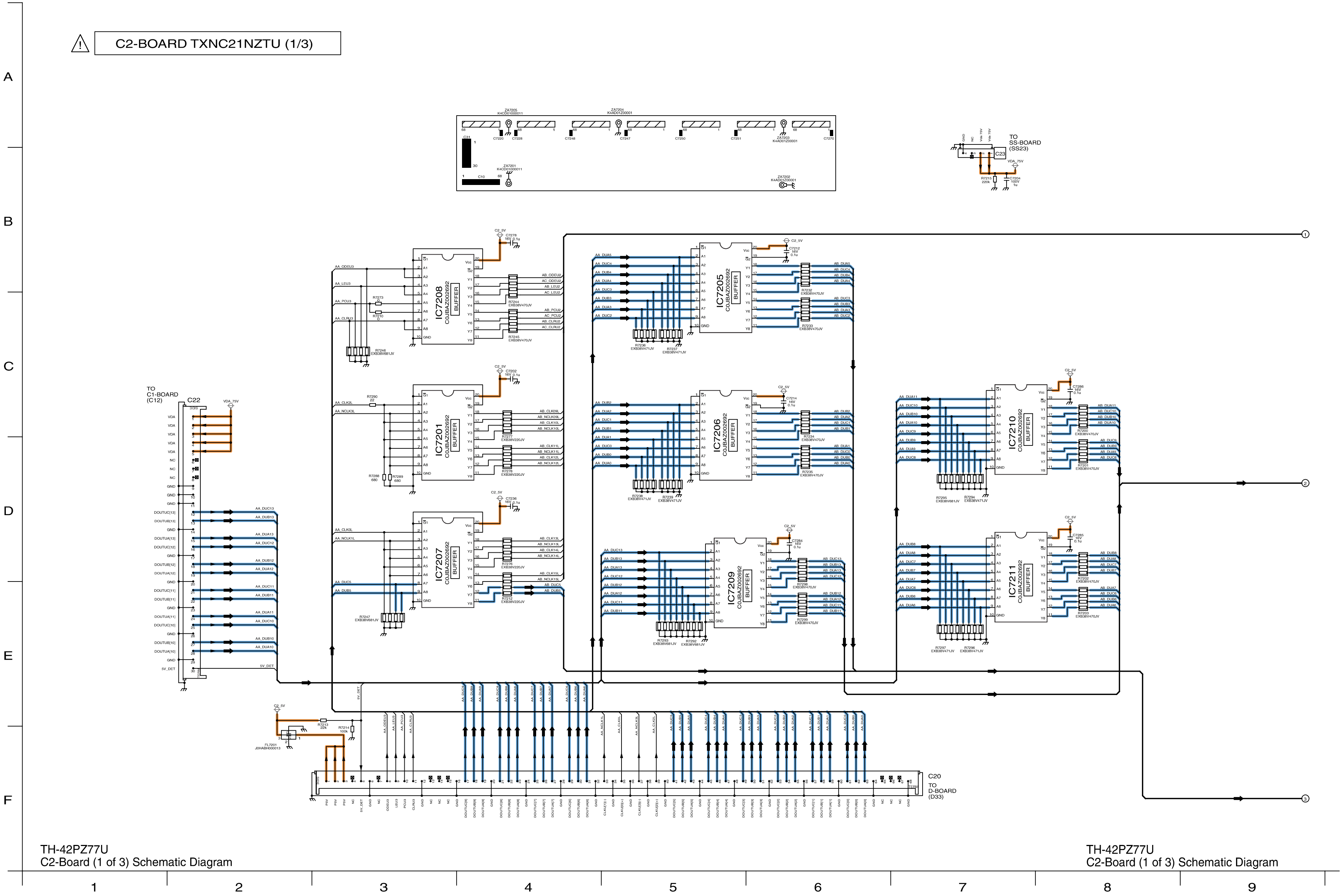
TH-42PZ77U
C1-Board (2 of 3) Schematic Diagram

15.45. C1-Board (3 of 3) Schematic Diagram

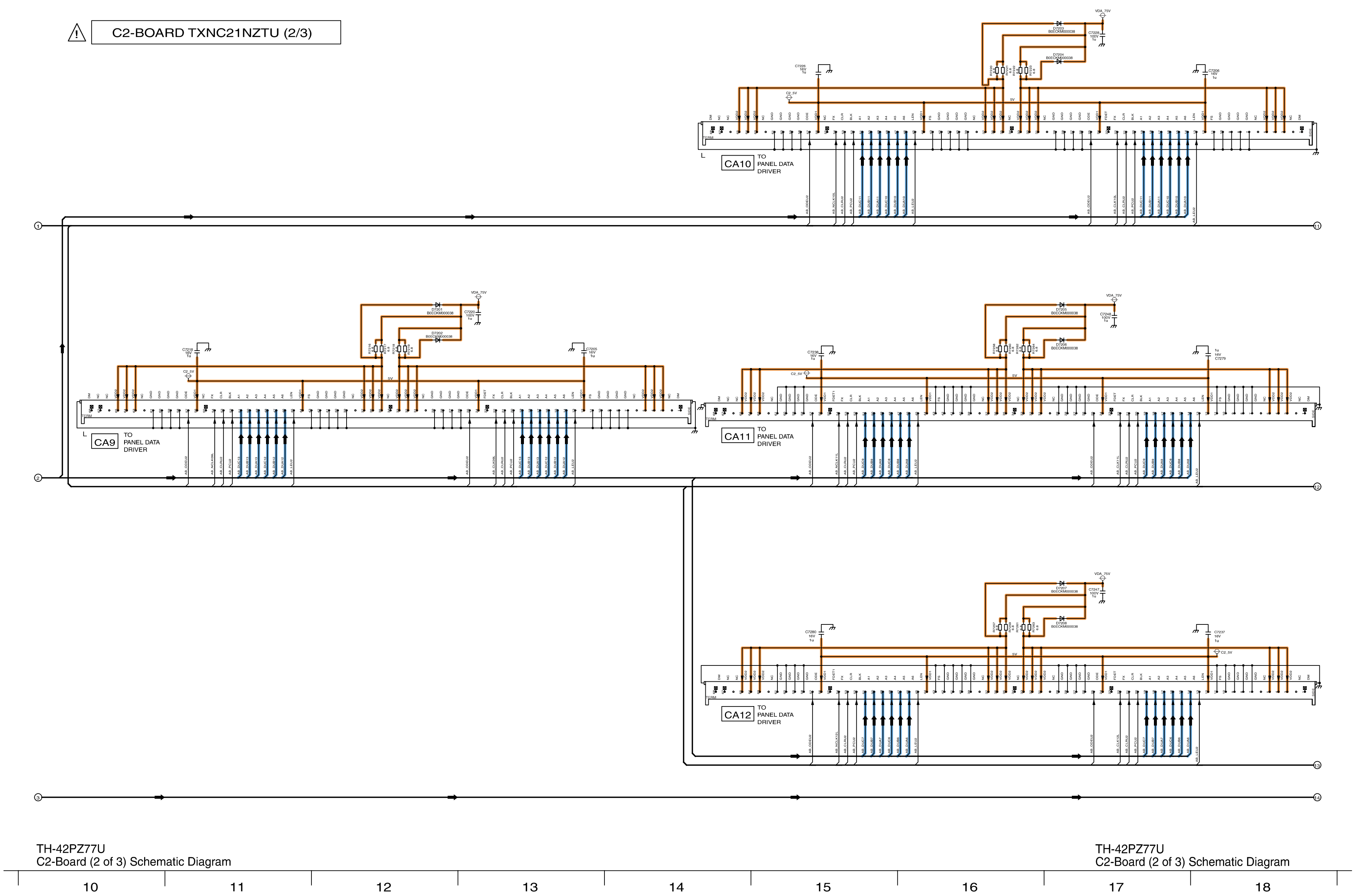
⚠ C1-BOARD TXNC11NZTU (3/3)


IC7111
C0JBAZ002692
BUFFER
IC7112
C0JBAZ002692
BUFFER
IC7101
C0JBAZ002692
BUFFER
IC7110
C0JBAZ002692
BUFFER
R7109 EXB38V470JV
R7110 EXB38V470JV
R7192 EXB38V681JV
R7193 EXB38V471JV
R7111 EXB38V470JV
R7112 EXB38V470JV
R7194 EXB38V681JV
R7195 EXB38V681JV
R7113 EXB38V470JV
R7114 EXB38V470JV
R7198 EXB38V471JV
R7199 EXB38V471JV
R7189 EXB38V220JV
R7190 EXB38V220JV
R7119
R7120 EXB38V681JV
R7191 220k
C7120 16V 0.1u
C7196 16V 0.1u
C7197 16V 0.1u
C7198 16V 0.1u
C1_5V
VDA_75V
P5V
5V_DET
AA_CLK4R
AA_NCLK5R
AA_CLK2R
C12
TO C2-BOARD (C22)
VDA
NC
GND
DOUTUC[13]
DOUTUB[13]
DOUTUA[13]
DOUTUC[12]
DOUTUB[12]
DOUTUA[12]
DOUTUC[11]
DOUTUB[11]
DOUTUA[11]
DOUTUC[10]
DOUTUB[10]
DOUTUA[10]
5V_DET
C11
TO D-BOARD (D32)
ZA7101 K4AD01Z00001
ZA7105 K4AD01Z00001
ZA7104 K4CD01000011
ZA7103 K4CD01000011
ZA7102 K4AD01Z00001
C7147
C7148
C7153
C7151
C7182
C7106
C7113
C7132
C12
C11
C10

15.46. C2-Board (1 of 3) Schematic Diagram


⚠ C2-BOARD TXNC21NZTU (1/3)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TO C1-BOARD (C12)
C22
TO SS-BOARD (SS23)
C23
TO D-BOARD (D33)
C20
IC7208 C0JBAZ002692 BUFFER
IC7201 C0JBAZ002692 BUFFER
IC7207 C0JBAZ002692 BUFFER
IC7205 C0JBAZ002692 BUFFER
IC7206 C0JBAZ002692 BUFFER
IC7209 C0JBAZ002692 BUFFER
IC7210 C0JBAZ002692 BUFFER
IC7211 C0JBAZ002692 BUFFER
FL7201 J0HABH000013
ZA7201
ZA7202
ZA7203
ZA7204
ZA7205
C2_5V
VDA_75V
5V_DET
TH-42PZ77U
C2-Board (1 of 3) Schematic Diagram
TH-42PZ77U
C2-Board (1 of 3) Schematic Diagram

15.47. C2-Board (2 of 3) Schematic Diagram


C2-BOARD TXNC21NZTU (2/3)
CA10
TO
PANEL DATA
DRIVER
CA9
TO
PANEL DATA
DRIVER
CA11
TO
PANEL DATA
DRIVER
CA12
TO
PANEL DATA
DRIVER
VDA_75V
C2_5V
5V
TH-42PZ77U
C2-Board (2 of 3) Schematic Diagram
TH-42PZ77U
C2-Board (2 of 3) Schematic Diagram
10
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16
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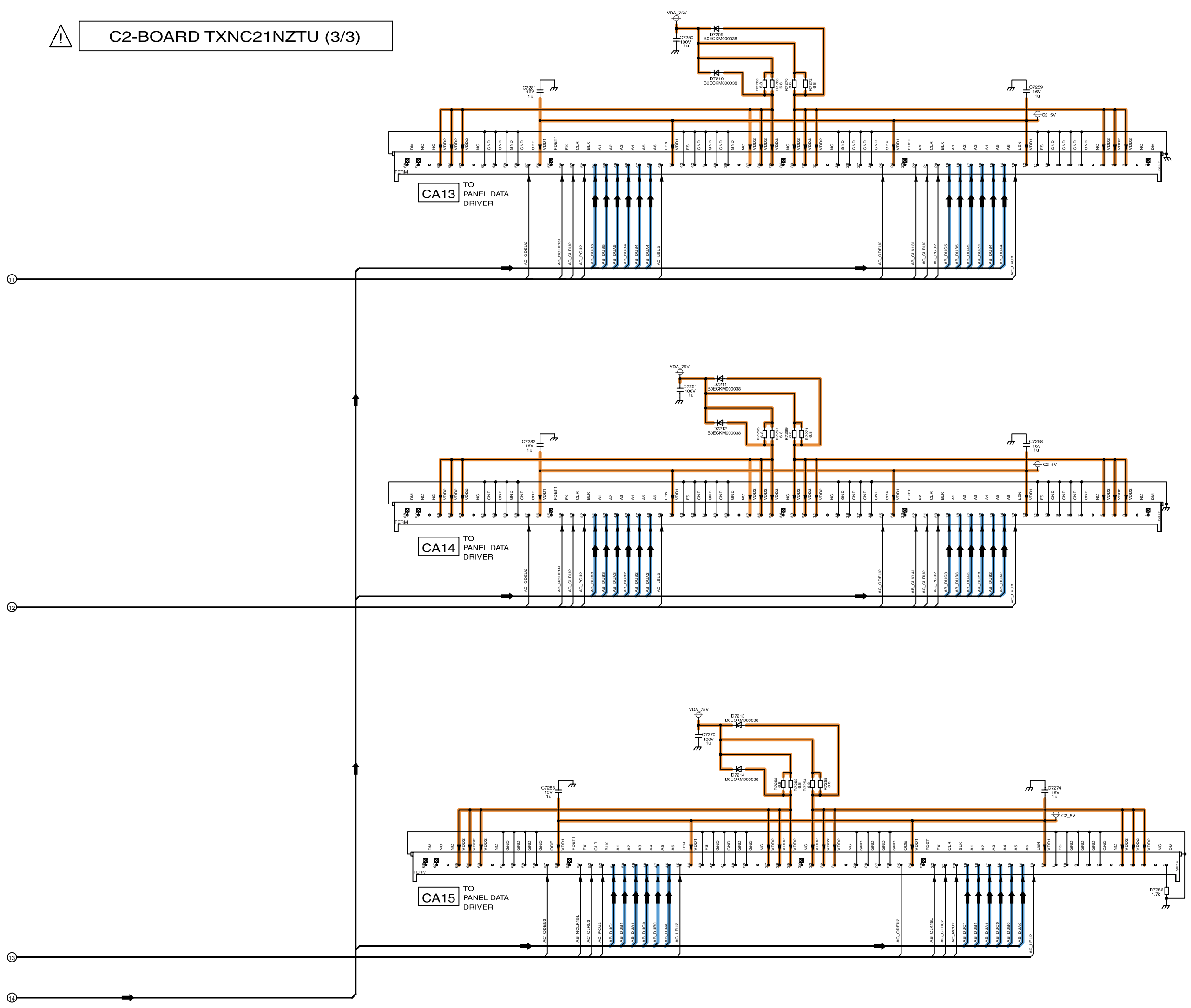
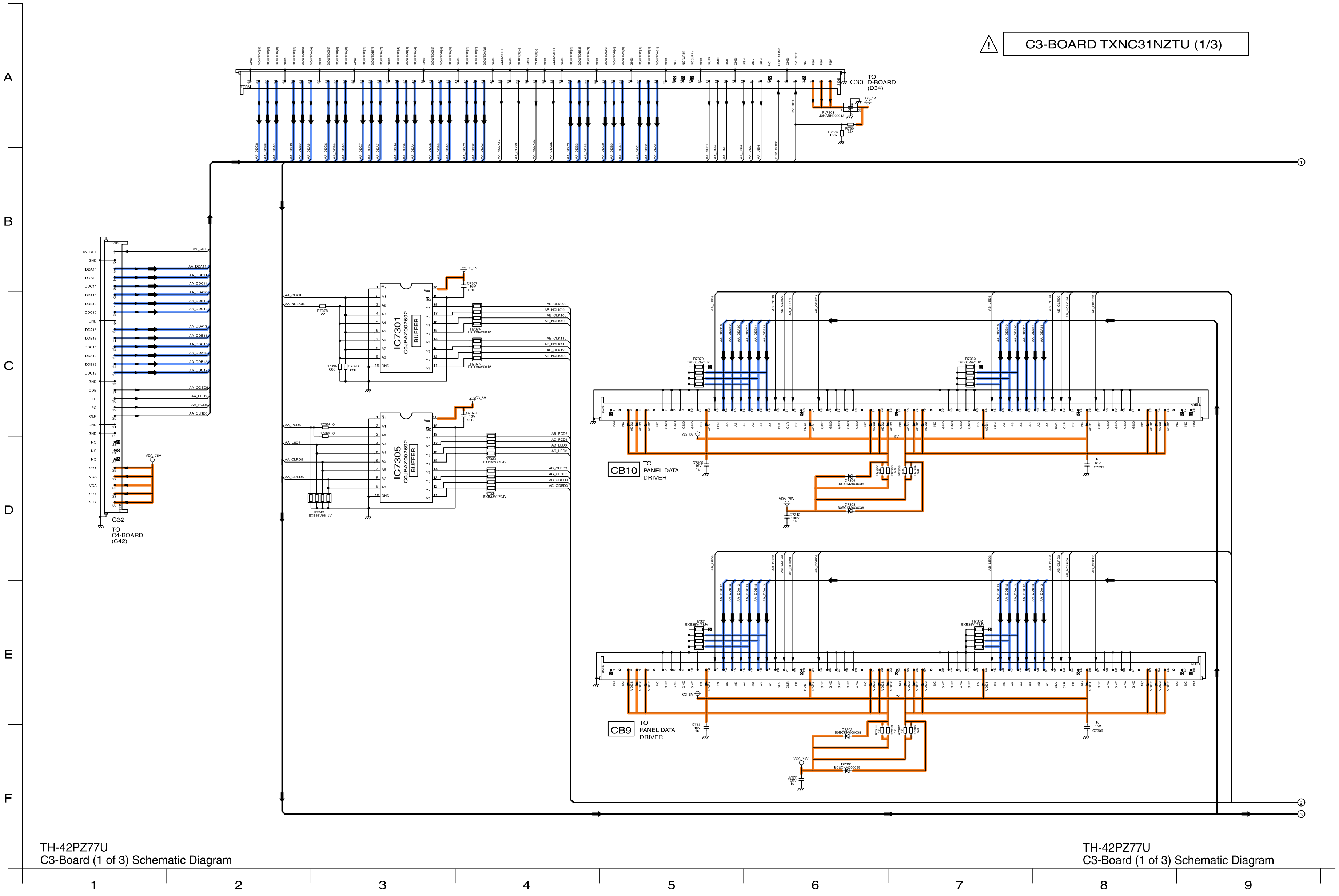
18

15.48. C2-Board (3 of 3) Schematic Diagram

⚠ C2-BOARD TXNC21NZTU (3/3)

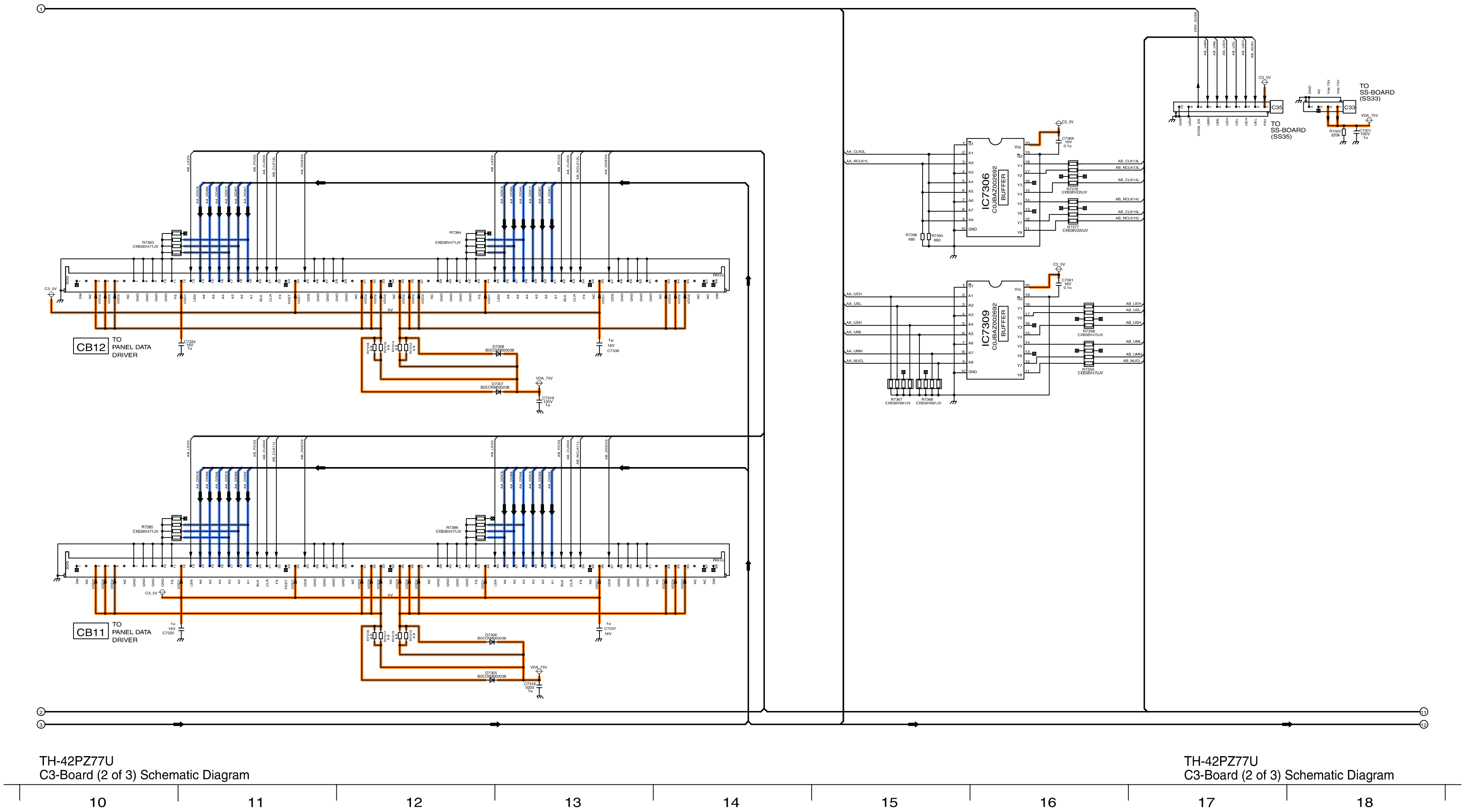

VDA_75V
C7250
100V
1u
D7209
B0ECKM000038
D7210
B0ECKM000038
C7261
16V
1u
C7259
16V
1u
C2_5V
CA13
TO
PANEL DATA
DRIVER
VDA_75V
C7251
100V
1u
D7211
B0ECKM000038
D7212
B0ECKM000038
C7262
16V
1u
C7258
16V
1u
C2_5V
CA14
TO
PANEL DATA
DRIVER
VDA_75V
C7270
100V
1u
D7213
B0ECKM000038
D7214
B0ECKM000038
C7263
16V
1u
C7274
16V
1u
C2_5V
R7256
4.7k
CA15
TO
PANEL DATA
DRIVER
11
12
13
14

15.49. C3-Board (1 of 3) Schematic Diagram


⚠ C3-BOARD TXNC31NZTU (1/3)
C30 TO D-BOARD (D34)
C32 TO C4-BOARD (C42)
IC7301 C0JBAZ002692 BUFFER
IC7305 C0JBAZ002692 BUFFER
CB10 TO PANEL DATA DRIVER
CB9 TO PANEL DATA DRIVER
C3_5V
VDA_75V
5V_DET
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TH-42PZ77U
C3-Board (1 of 3) Schematic Diagram
TH-42PZ77U
C3-Board (1 of 3) Schematic Diagram

15.50. C3-Board (2 of 3) Schematic Diagram

⚠ C3-BOARD TXNC31NZTU (2/3)


CB12
TO PANEL DATA DRIVER
CB11
TO PANEL DATA DRIVER
IC7306
C0JBAZ002692
BUFFER
IC7309
C0JBAZ002692
BUFFER
C35
TO SS-BOARD (SS35)
C33
TO SS-BOARD (SS33)
R7383 EXB38V471JV
R7384 EXB38V471JV
R7385 EXB38V471JV
R7386 EXB38V471JV
R7376 EXB38V220JV
R7377 EXB38V220JV
R7358 EXB38V470JV
R7359 EXB38V470JV
R7367 EXB38V681JV
R7368 EXB38V681JV
R7396 680
R7395 680
R7303 220k
C7301 100V 1u
D7308 B0ECKM000038
D7307 B0ECKM000038
D7306 B0ECKM000038
D7305 B0ECKM000038
VDA_75V
C3_5V
5V
TH-42PZ77U
C3-Board (2 of 3) Schematic Diagram
TH-42PZ77U
C3-Board (2 of 3) Schematic Diagram
10
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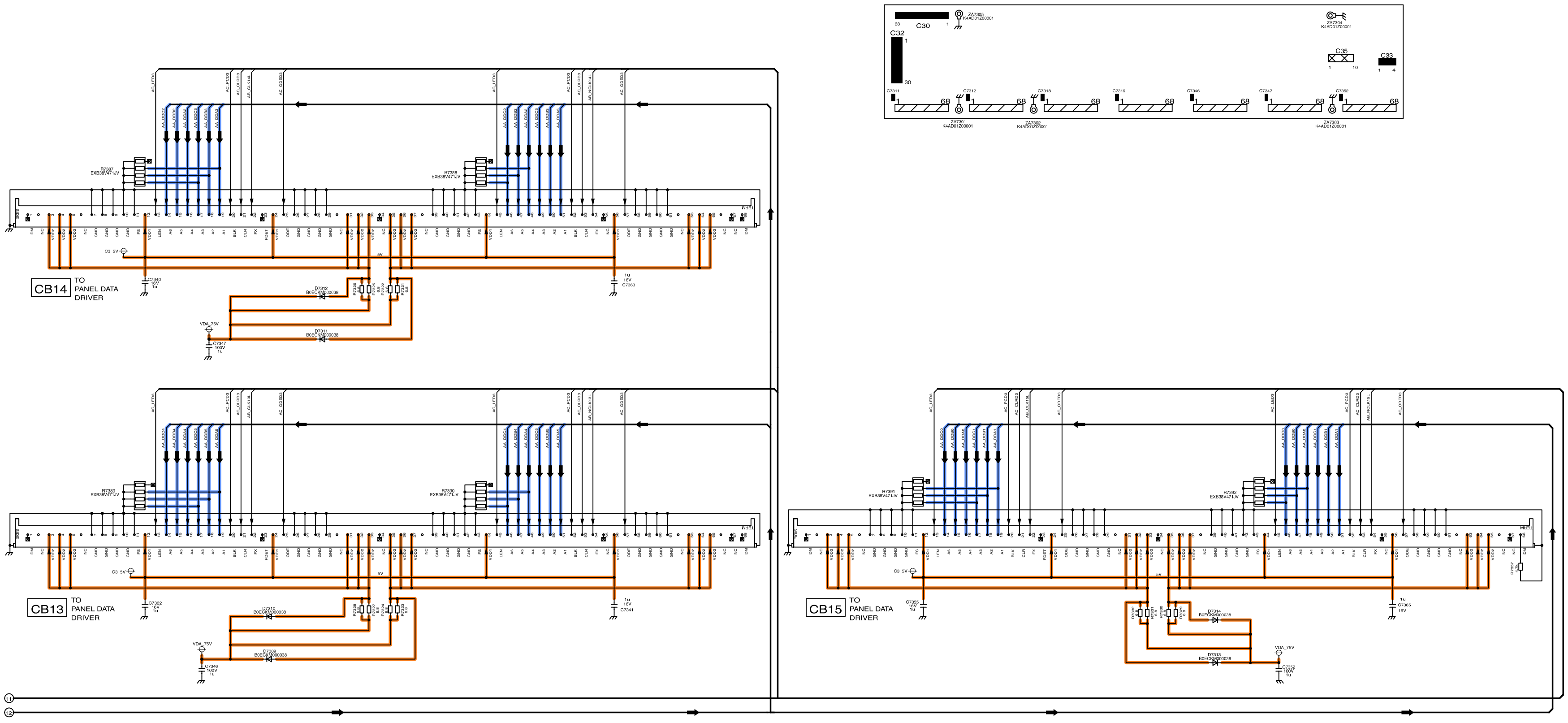
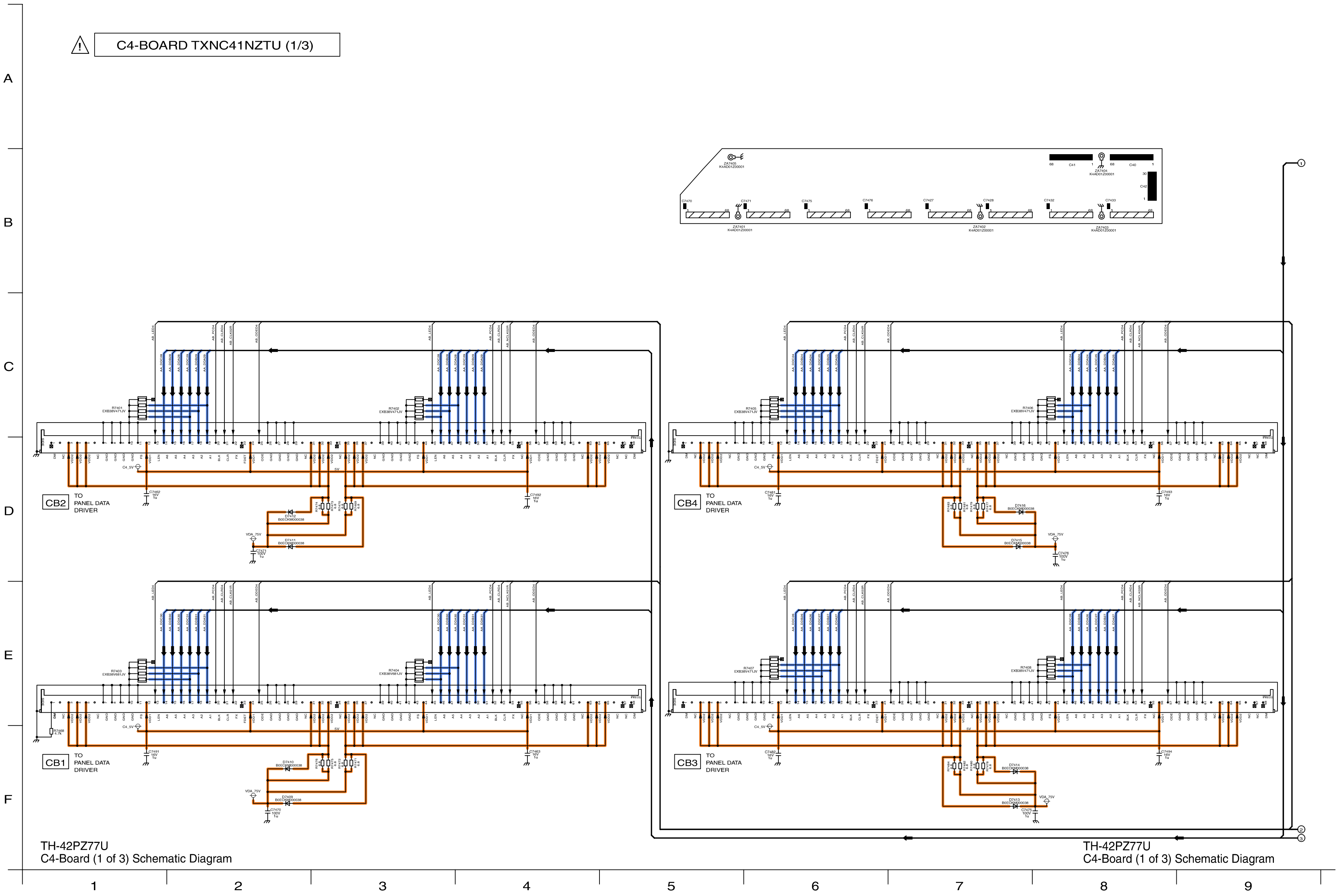
15.51. C3-Board (3 of 3) Schematic Diagram

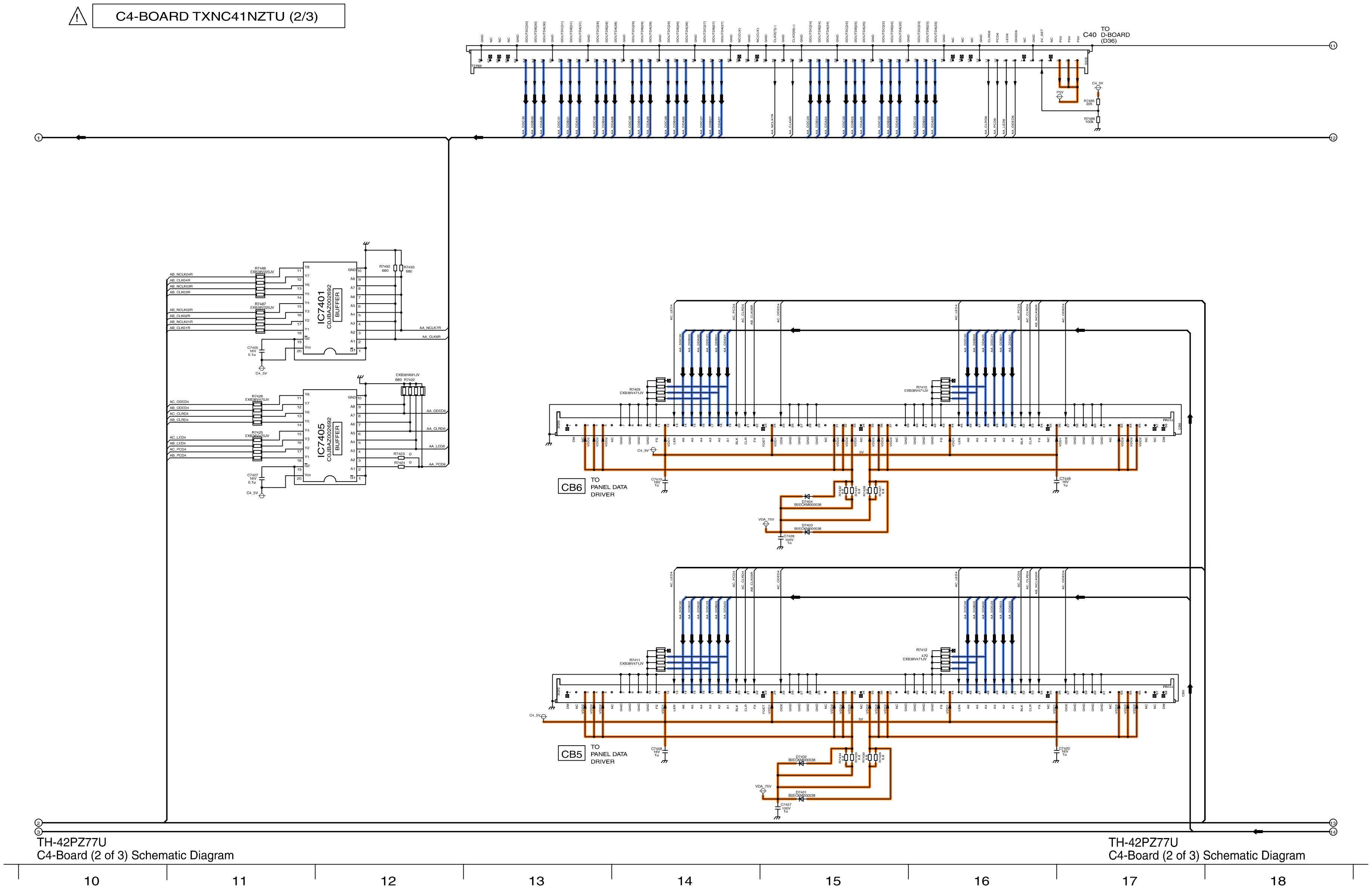
⚠ C3-BOARD TXNC31NZTU (3/3)


C30
68
1
C32
1
30
ZA7305
K4AD01Z00001
ZA7304
K4AD01Z00001
C35
1
10
C33
1
4
C7311
C7312
C7318
C7319
C7346
C7347
C7352
ZA7301
K4AD01Z00001
ZA7302
K4AD01Z00001
ZA7303
K4AD01Z00001
CB14
TO
PANEL DATA
DRIVER
CB13
TO
PANEL DATA
DRIVER
CB15
TO
PANEL DATA
DRIVER
R7387
EXB38V471JV
R7388
EXB38V471JV
R7389
EXB38V471JV
R7390
EXB38V471JV
R7391
EXB38V471JV
R7392
EXB38V471JV
D7312
B0ECKM000038
D7311
B0ECKM000038
D7310
B0ECKM000038
D7309
B0ECKM000038
D7314
B0ECKM000038
D7313
B0ECKM000038
C7340
C7347
C7363
C7362
C7346
C7341
C7355
C7352
C7365
VDA_75V
C3_5V
5V
AC_LED3
AC_PCD3
AC_CLRD3
AB_CLK14L
AC_OSED3
11
12

15.52. C4-Board (1 of 3) Schematic Diagram


C4-BOARD TXNC41NZTU (1/3)
CB1
CB2
CB3
CB4
TO
PANEL DATA
DRIVER
R7401
R7402
R7403
R7404
R7405
R7406
R7407
R7408
D7409
D7410
D7411
D7412
D7413
D7414
D7415
D7416
VDA_75V
C4_5V
5V
ZA7401
ZA7402
ZA7403
ZA7404
ZA7405
C40
C41
C42
TH-42PZ77U
C4-Board (1 of 3) Schematic Diagram
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

15.53. C4-Board (2 of 3) Schematic Diagram


C4-BOARD TXNC41NZTU (2/3)
TO D-BOARD (D36)
C40
IC7401
C0JBAZ002692
BUFFER
IC7405
C0JBAZ002692
BUFFER
CB6
TO PANEL DATA DRIVER
CB5
TO PANEL DATA DRIVER
TH-42PZ77U
C4-Board (2 of 3) Schematic Diagram
TH-42PZ77U
C4-Board (2 of 3) Schematic Diagram
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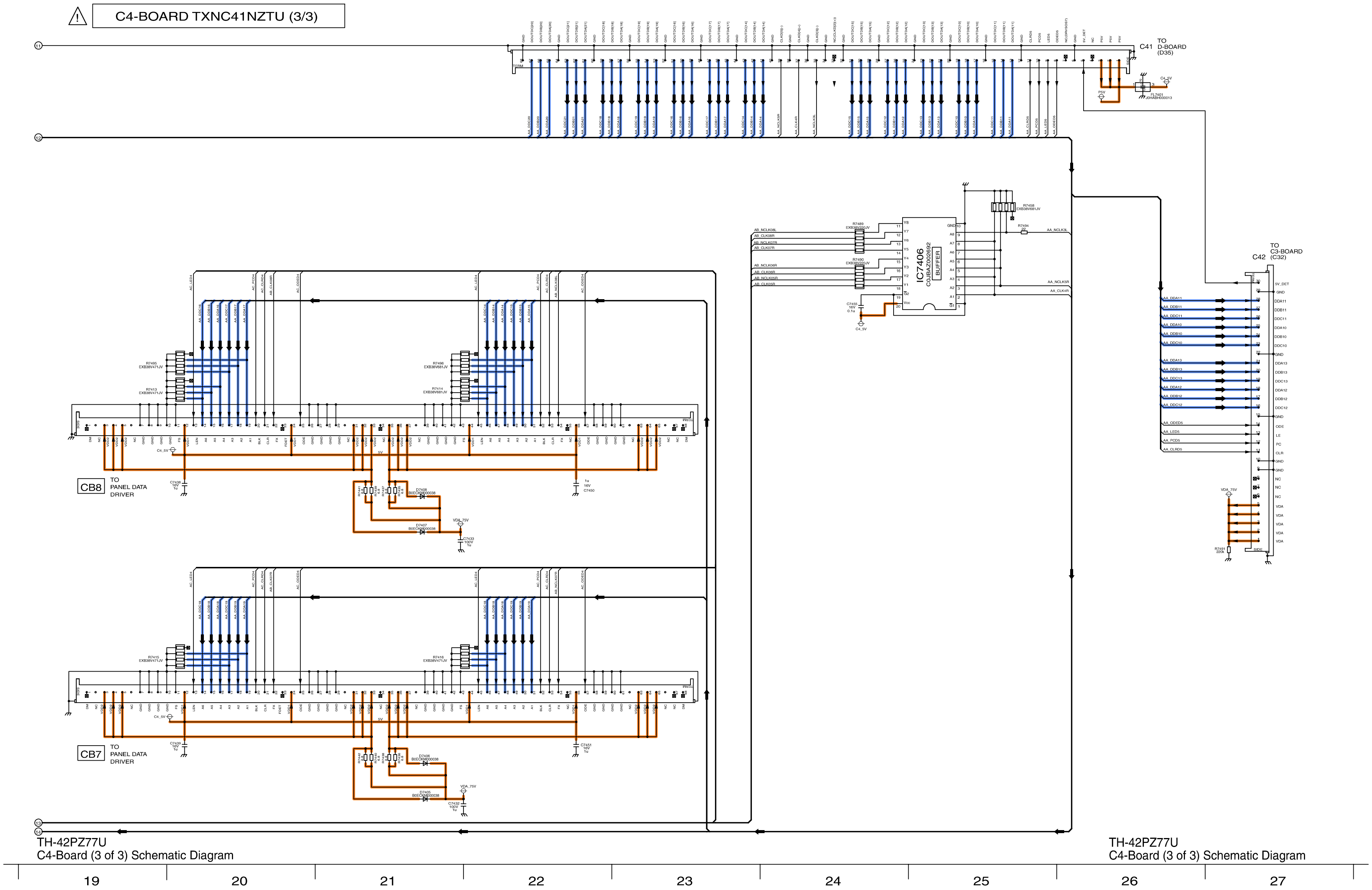
15.54. C4-Board (3 of 3) Schematic Diagram


C4-BOARD TXNC41NZTU (3/3)
C41 TO D-BOARD (D35)
C42 TO C3-BOARD (C32)
IC7406
C0JBAZ002692
BUFFER
FL7401
R7458
R7494
R7489
R7490
C7450
R7491
CB8 TO PANEL DATA DRIVER
CB7 TO PANEL DATA DRIVER
R7495
R7413
R7496
R7414
R7415
R7416
C7436
C7450
C7433
C7439
C7451
C7432
D7408
D7407
D7406
D7405
VDA_75V
C4_5V
P5V
TH-42PZ77U
C4-Board (3 of 3) Schematic Diagram
TH-42PZ77U
C4-Board (3 of 3) Schematic Diagram
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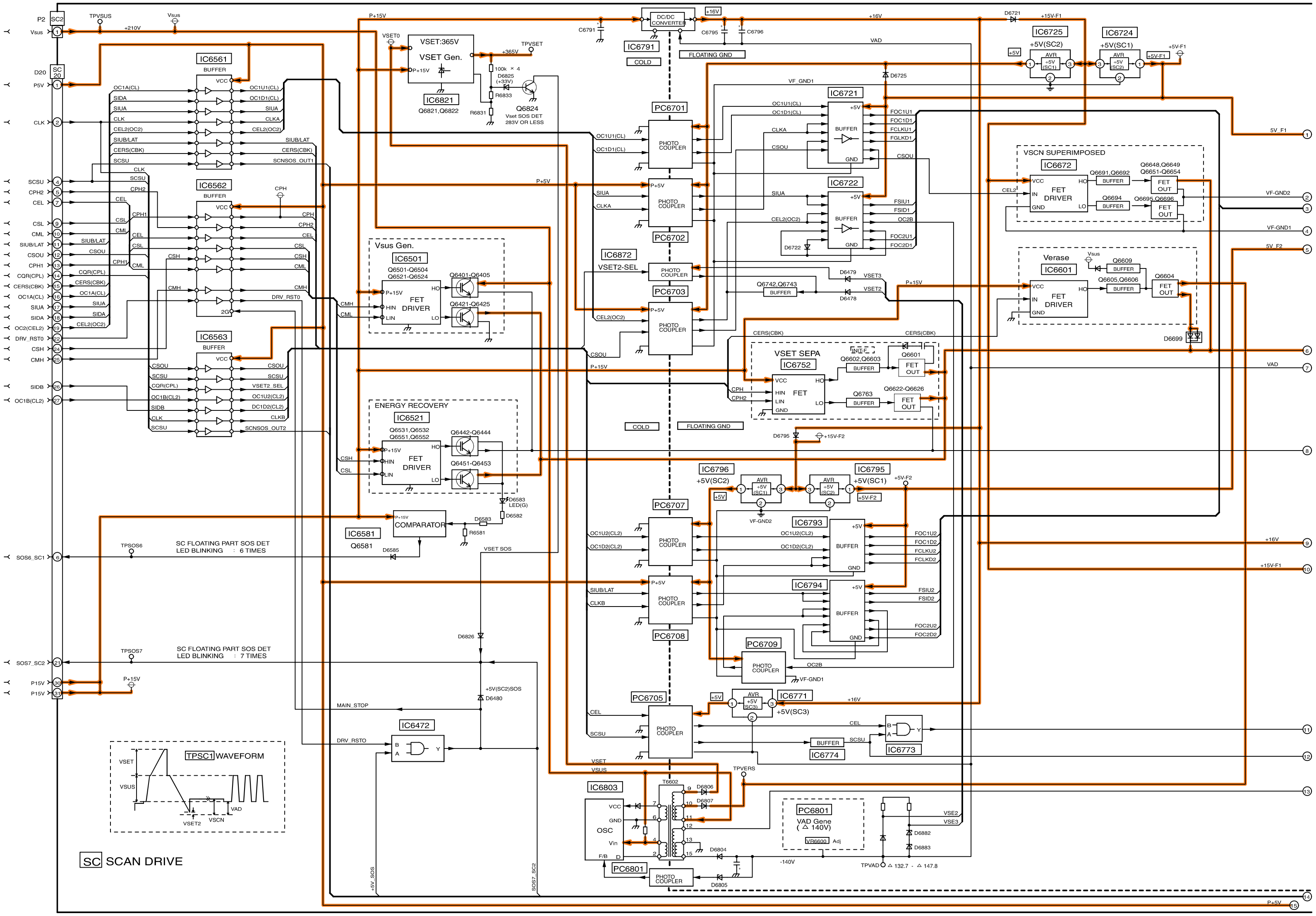
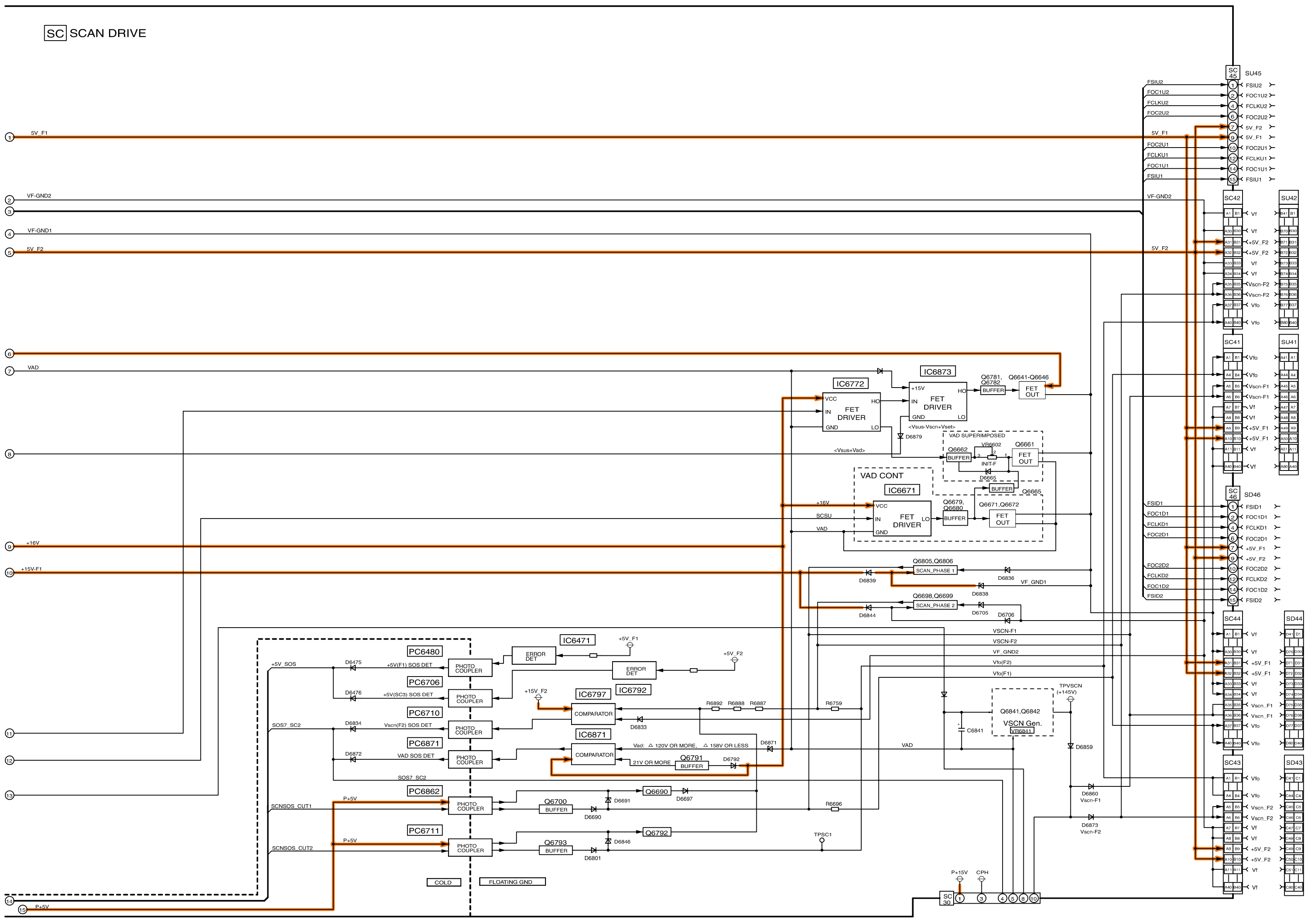
15.55. SC-Board (1 of 2) Block Diagram


P2
SC2
D20
SC20
Vsus
P5V
CLK
SCSU
CPH2
CEL
CSL
CML
SIUB/LAT
CSOU
CPH1
CQR(CPL)
CERS(CBK)
OC1A(CL)
SIUA
SIDA
OC2(CEL2)
DRV_RST0
CSH
CMH
SIDB
OC1B(CL2)
SOS6_SC1
SOS7_SC2
P15V
TPVSUS
+210V
IC6561
BUFFER
IC6562
IC6563
VSET:365V
VSET Gen.
IC6821
Q6821,Q6822
Q6824
Vset SOS DET
283V OR LESS
TPVSET
Vsus Gen.
IC6501
Q6501-Q6504
Q6521-Q6524
FET DRIVER
Q6401-Q6405
Q6421-Q6425
ENERGY RECOVERY
IC6521
Q6531,Q6532
Q6551,Q6552
Q6442-Q6444
Q6451-Q6453
COMPARATOR
IC6581
Q6581
SC FLOATING PART SOS DET
LED BLINKING : 6 TIMES
SC FLOATING PART SOS DET
LED BLINKING : 7 TIMES
TPSOS6
TPSOS7
IC6472
TPSC1 WAVEFORM
VSET
VSUS
VSET2
VSCN
VAD
SC SCAN DRIVE
DC/DC CONVERTER
IC6791
COLD
FLOATING GND
PC6701
PC6702
IC6872
VSET2-SEL
PC6703
PHOTO COUPLER
PC6707
PC6708
PC6709
PC6705
IC6803
OSC
T6602
PC6801
IC6721
IC6722
IC6793
IC6794
IC6796
+5V(SC2)
IC6795
+5V(SC1)
IC6771
+5V(SC3)
IC6774
IC6773
VSET SEPA
IC6752
Q6742,Q6743
Q6602,Q6603
Q6601
Q6763
Q6622-Q6626
FET OUT
IC6725
IC6724
VSCN SUPERIMPOSED
IC6672
Q6691,Q6692
Q6694
Q6648,Q6649
Q6651-Q6654
Q6695,Q6696
Verase
IC6601
Q6609
Q6605,Q6606
Q6604
D6699
PC6801
VAD Gene
(△ 140V)
VR6600 Adj
TPVAD
△ 132.7 - △ 147.8
5V_F1
VF-GND2
VF-GND1
5V_F2
VAD
+16V
+15V-F1
P+5V

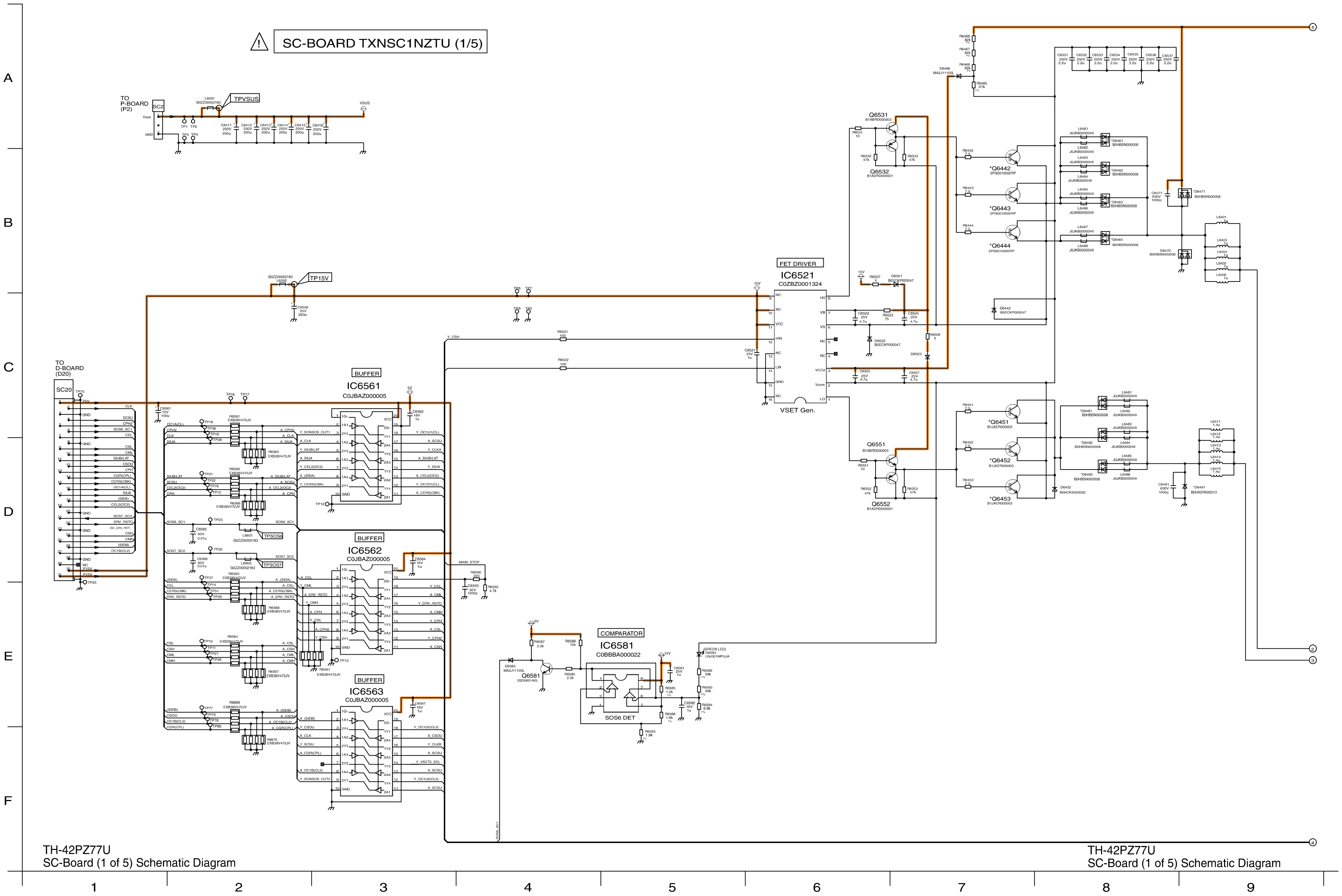
TH-42PZ77U
SC-Board (1 of 2) Block Diagram

TH-42PZ77U
SC-Board (1 of 2) Block Diagram

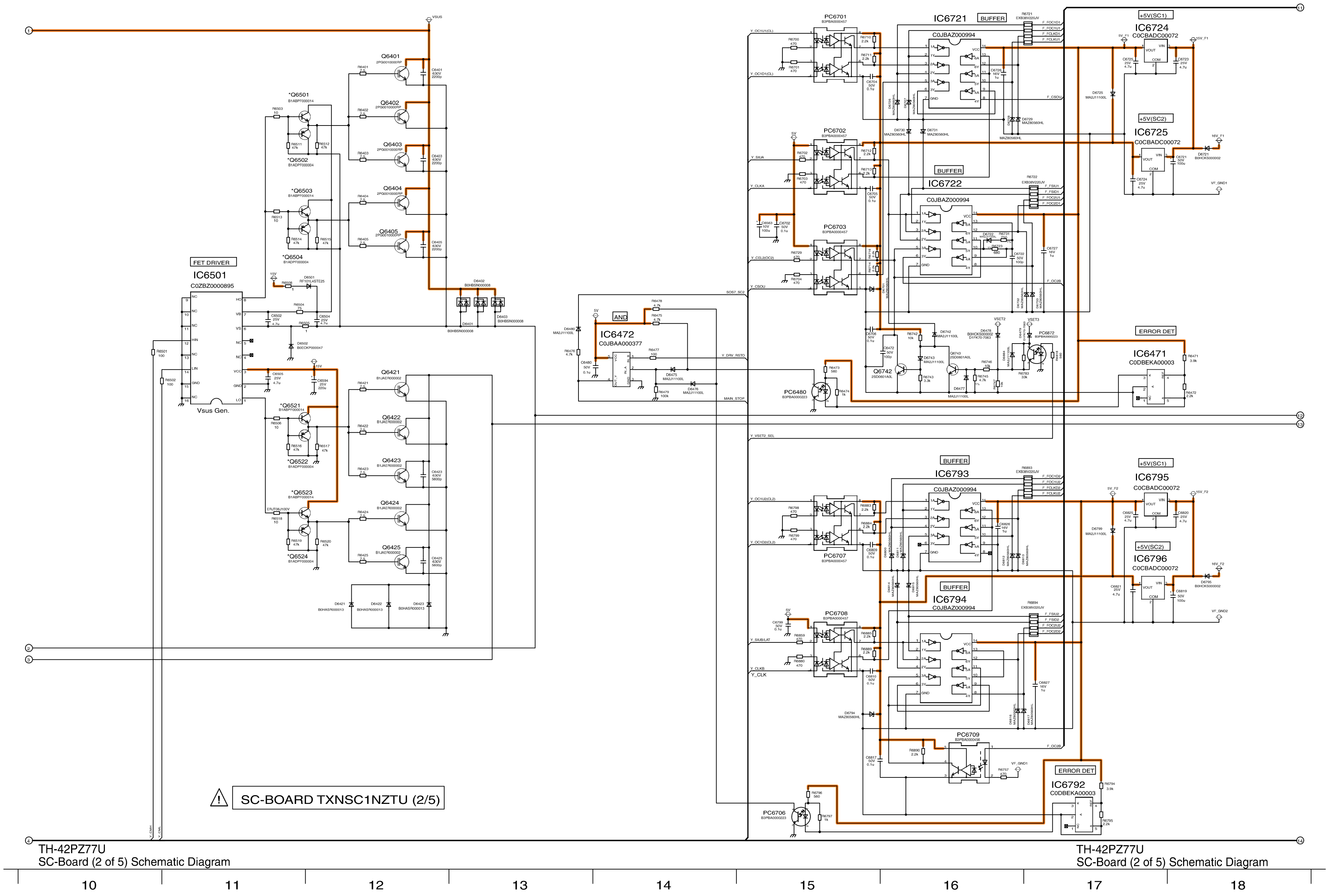
15.56. SC-Board (2 of 2) Block Diagram


SC SCAN DRIVE
5V_F1
VF-GND2
VF-GND1
5V_F2
VAD
+16V
+15V-F1
P+5V
SC45
SU45
FSIU2
FOC1U2
FCLKU2
FOC2U2
5V_F2
5V_F1
FOC2U1
FCLKU1
FOC1U1
FSIU1
SC42
SU42
SC41
SU41
SC46
SD46
FSID1
FOC1D1
FCLKD1
FOC2D1
+5V_F1
+5V_F2
FOC2D2
FCLKD2
FOC1D2
FSID2
SC44
SD44
SC43
SD43
Vf
Vfo
Vscn-F1
Vscn-F2
+5V_F1
+5V_F2
IC6772
IC6873
FET DRIVER
VCC
IN
GND
HO
LO
+15V
<Vsus-Vscn+Vset>
<Vsus+Vad>
D6879
Q6781, Q6782
BUFFER
Q6641-Q6646
FET OUT
VAD SUPERIMPOSED
Q6662
VR6602
INIT-F
D6665
Q6661
Q6665
VAD CONT
IC6671
SCSU
Q6679, Q6680
Q6671,Q6672
Q6805,Q6806
SCAN_PHASE 1
Q6698,Q6699
SCAN_PHASE 2
D6839
D6836
D6838
VF_GND1
D6844
D6705
D6706
VSCN-F1
VSCN-F2
VF_GND2
Vfo(F2)
Vfo(F1)
IC6471
ERROR DET
+5V_F1
+5V_F2
PC6480
+5V_SOS
D6475
+5V(F1) SOS DET
PHOTO COUPLER
PC6706
D6476
+5V(SC3) SOS DET
+15V_F2
IC6797
IC6792
COMPARATOR
R6892
R6888
R6887
R6759
D6833
PC6710
SOS7_SC2
D6834
Vscn(F2) SOS DET
IC6871
Vad: △ 120V OR MORE, △ 158V OR LESS
D6871
21V OR MORE
Q6791
D6792
PC6871
D6872
VAD SOS DET
SOS7_SC2
PC6862
SCNSOS_CUT1
P+5V
Q6700
D6691
D6690
Q6690
D6697
R6696
PC6711
SCNSOS_CUT2
Q6793
D6846
D6801
Q6792
TPSC1
COLD
FLOATING GND
Q6841,Q6842
VSCN Gen.
VR6841
C6841
TPVSCN (+145V)
D6859
D6860 Vscn-F1
D6873 Vscn-F2
SC30
P+15V
CPH

15.57. SC-Board (1 of 5) Schematic Diagram


SC-BOARD TXNSC1NZTU (1/5)
TO P-BOARD (P2)
SC2
TPVSUS
VSUS
TO D-BOARD (D20)
SC20
TP15V
BUFFER
IC6561
C0JBAZ000005
BUFFER
IC6562
C0JBAZ000005
BUFFER
IC6563
C0JBAZ000005
FET DRIVER
IC6521
C0ZBZ0001324
VSET Gen.
COMPARATOR
IC6581
C0BBBA000022
SOS6 DET
Q6531
Q6532
Q6551
Q6552
Q6581
*Q6442
*Q6443
*Q6444
*Q6451
*Q6452
*Q6453
TPSOS6
TPSOS7
MAIN_STOP
V_CSH
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TH-42PZ77U
SC-Board (1 of 5) Schematic Diagram
TH-42PZ77U
SC-Board (1 of 5) Schematic Diagram

15.58. SC-Board (2 of 5) Schematic Diagram


VSUS
Q6401
Q6402
Q6403
Q6404
Q6405
*Q6501
*Q6502
*Q6503
*Q6504
FET DRIVER
IC6501
C0ZBZ0000895
Vsus Gen.
Q6421
Q6422
Q6423
Q6424
Q6425
*Q6521
*Q6522
*Q6523
*Q6524
AND
IC6472
C0JBAA000377
PC6480
Q6742
PC6701
PC6702
PC6703
PC6707
PC6708
PC6706
PC6709
PC6872
IC6721
BUFFER
C0JBAZ000994
IC6722
IC6793
IC6794
+5V(SC1)
IC6724
C0CBADC00072
+5V(SC2)
IC6725
IC6795
IC6796
ERROR DET
IC6471
C0DBEKA00003
IC6792
SC-BOARD TXNSC1NZTU (2/5)
TH-42PZ77U
SC-Board (2 of 5) Schematic Diagram
TH-42PZ77U
SC-Board (2 of 5) Schematic Diagram
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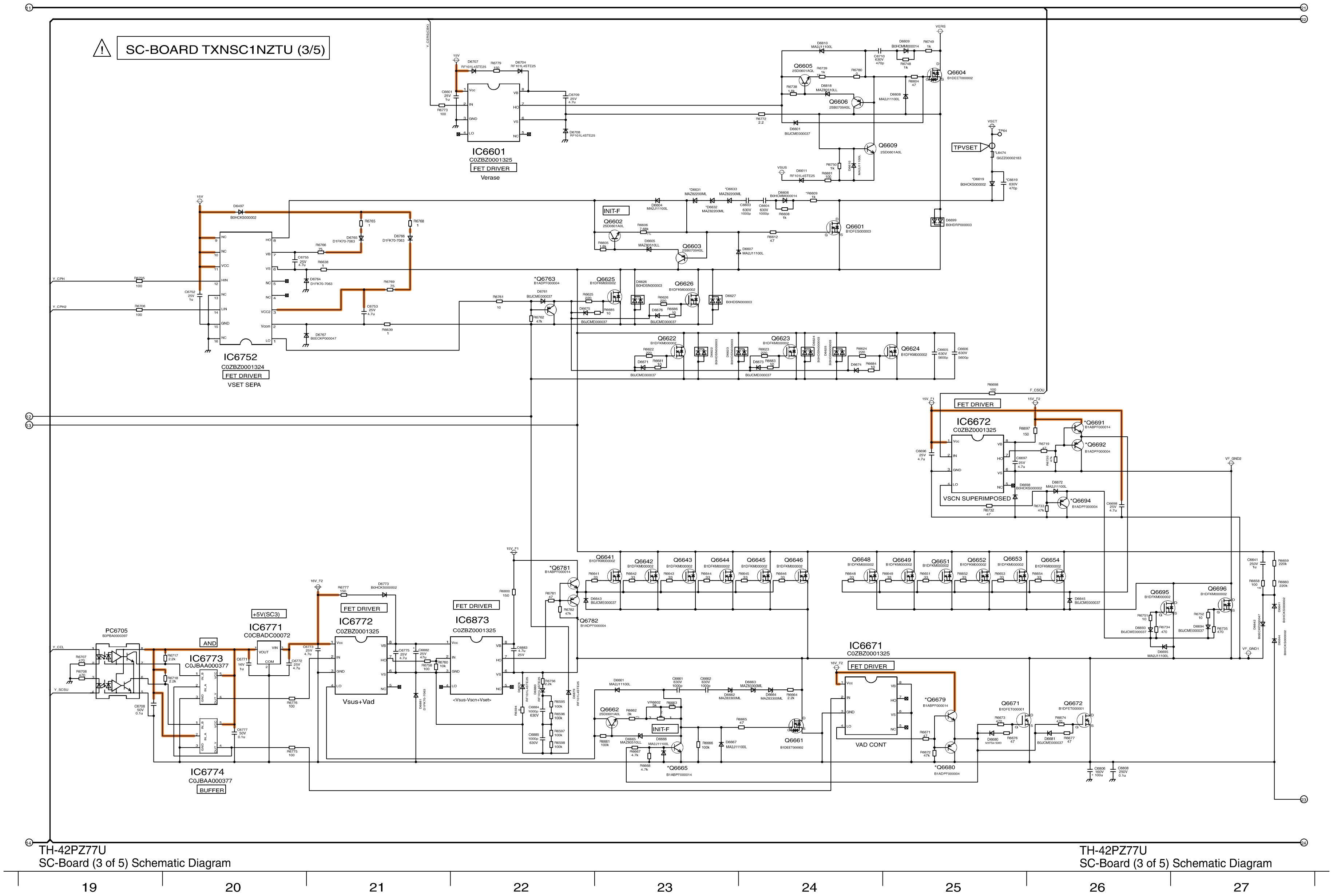
15.59. SC-Board (3 of 5) Schematic Diagram


SC-BOARD TXNSC1NZTU (3/5)
IC6601
C0ZBZ0001325
FET DRIVER
Verase
IC6752
C0ZBZ0001324
FET DRIVER
VSET SEPA
IC6672
C0ZBZ0001325
FET DRIVER
VSCN SUPERIMPOSED
IC6771
C0CBADC00072
+5V(SC3)
IC6772
C0ZBZ0001325
FET DRIVER
Vsus+Vad
IC6873
C0ZBZ0001325
FET DRIVER
<Vsus-Vscn+Vset>
IC6773
C0JBAA000377
AND
IC6774
C0JBAA000377
BUFFER
IC6671
C0ZBZ0001325
FET DRIVER
VAD CONT
PC6705
B3PBA0000397
TPVSET
INIT-F
Q6601
Q6602
Q6603
Q6604
Q6605
Q6606
Q6609
Q6622
Q6623
Q6624
Q6625
Q6626
*Q6763
*Q6691
*Q6692
*Q6694
Q6641
Q6642
Q6643
Q6644
Q6645
Q6646
Q6648
Q6649
Q6651
Q6652
Q6653
Q6654
Q6695
Q6696
*Q6781
*Q6782
Q6661
Q6662
*Q6665
*Q6679
*Q6680
Q6671
Q6672
V_CPH
V_CPH2
V_CEL
V_SCSU
15V
VSET
VSUS
VERS
15V_F1
15V_F2
16V_F2
F_CSOU
VF_GND1
VF_GND2
TH-42PZ77U
SC-Board (3 of 5) Schematic Diagram
TH-42PZ77U
SC-Board (3 of 5) Schematic Diagram
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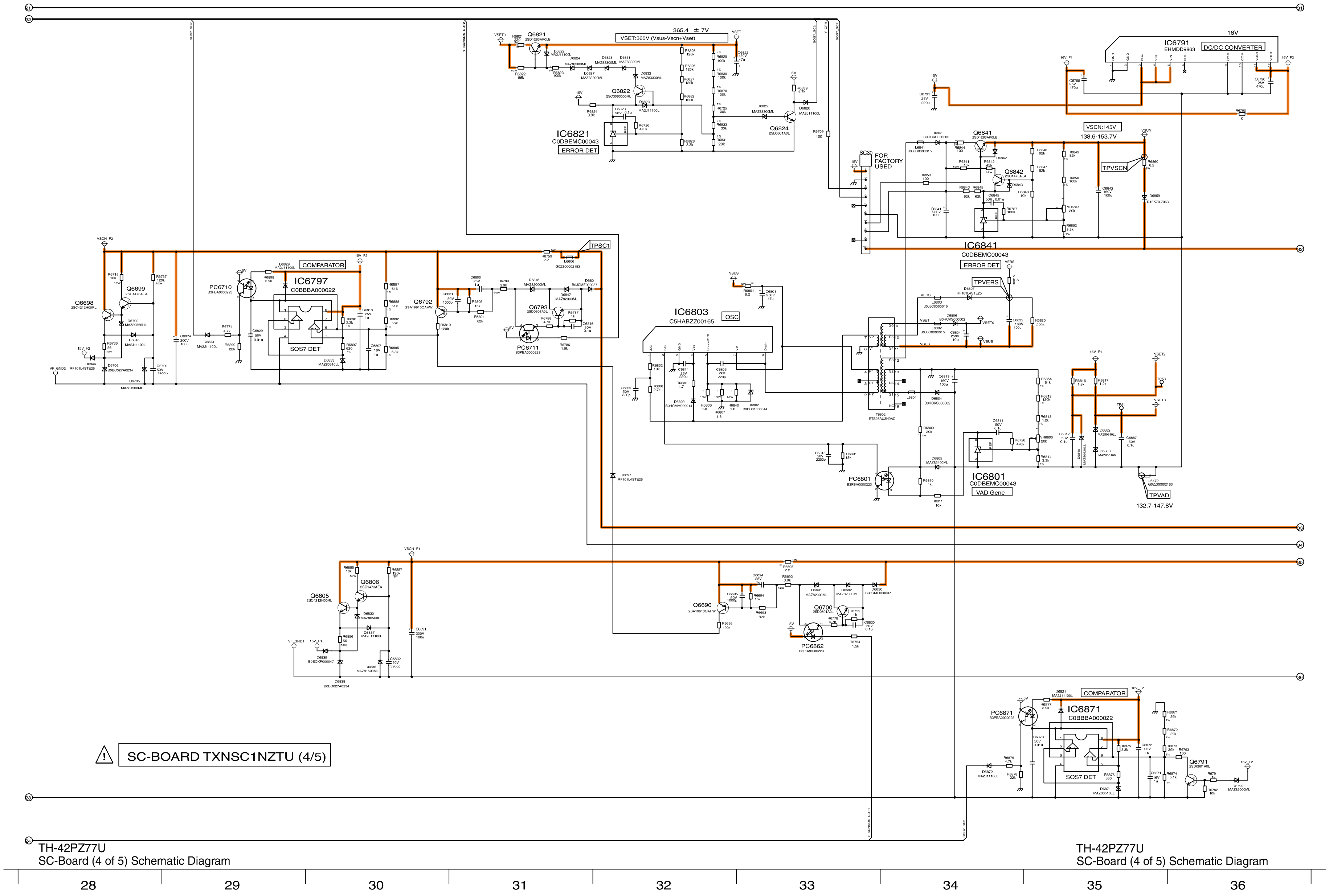
15.60. SC-Board (4 of 5) Schematic Diagram


IC6791
EHMDD9863
DC/DC CONVERTER
16V
VSCN:145V
138.6-153.7V
TPVSCN
Q6841
2SD1263AP0LB
Q6842
2SC1473AEA
IC6841
C0DBEMC00043
ERROR DET
SC30
FOR FACTORY USED
VSET:365V (Vsus-Vscn+Vset)
365.4 ± 7V
Q6821
2SD1263AP0LB
Q6822
2SC3063000RL
Q6824
2SD0601A0L
IC6821
C0DBEMC00043
ERROR DET
TPSC1
TPVERS
IC6803
C5HABZZ00165
OSC
T6602
ETS28AU3H9AC
IC6801
C0DBEMC00043
VAD Gene
TPVAD
132.7-147.8V
PC6801
B3PBA0000223
Q6698
2SC4212H00RL
Q6699
2SC1473AEA
PC6710
B3PBA0000223
IC6797
C0BBBA000022
COMPARATOR
SOS7 DET
Q6792
2SA1961OQAHW
Q6793
2SD0601A0L
PC6711
B3PBA0000223
Q6805
2SC4212H00RL
Q6806
2SC1473AEA
Q6690
2SA1961OQAHW
Q6700
2SD0601A0L
PC6862
B3PBA0000223
PC6871
B3PBA0000223
IC6871
C0BBBA000022
COMPARATOR
SOS7 DET
Q6791
2SD0601A0L
VSCN_F1
VSCN_F2
15V_F1
15V_F2
16V_F1
16V_F2
VF_GND1
VF_GND2
VSUS
VSET
VSET2
VSET3
VSCN
15V
5V
V_SCNSOS_CUT1
V_SCNSOS_CUT2
SOS7_SC1
SOS7_SC2
V_CPU
28
29
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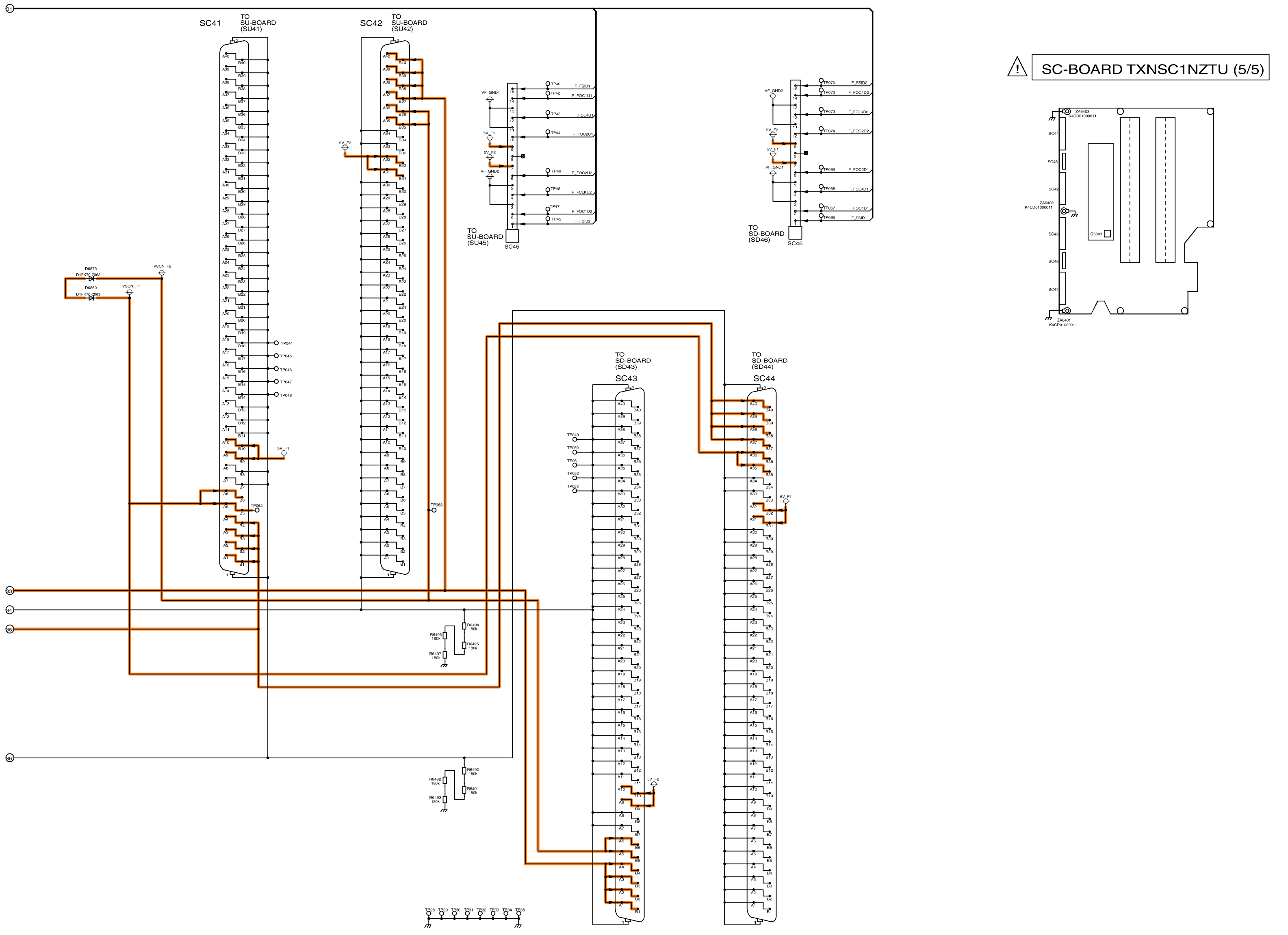
31
32
33
34
35
36

⚠ SC-BOARD TXNSC1NZTU (4/5)

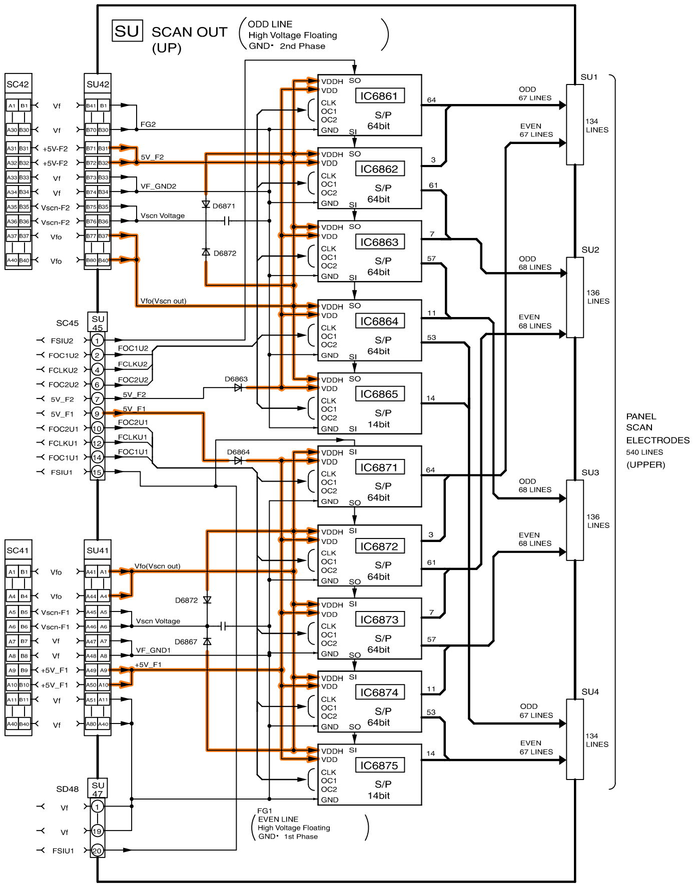
TH-42PZ77U
SC-Board (4 of 5) Schematic Diagram

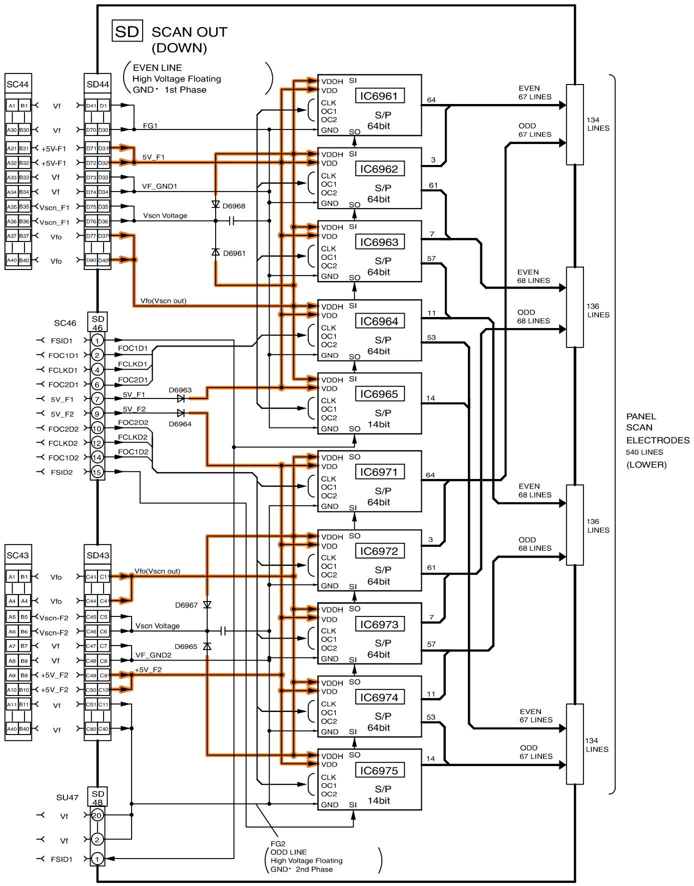
TH-42PZ77U
SC-Board (4 of 5) Schematic Diagram

15.61. SC-Board (5 of 5) Schematic Diagram

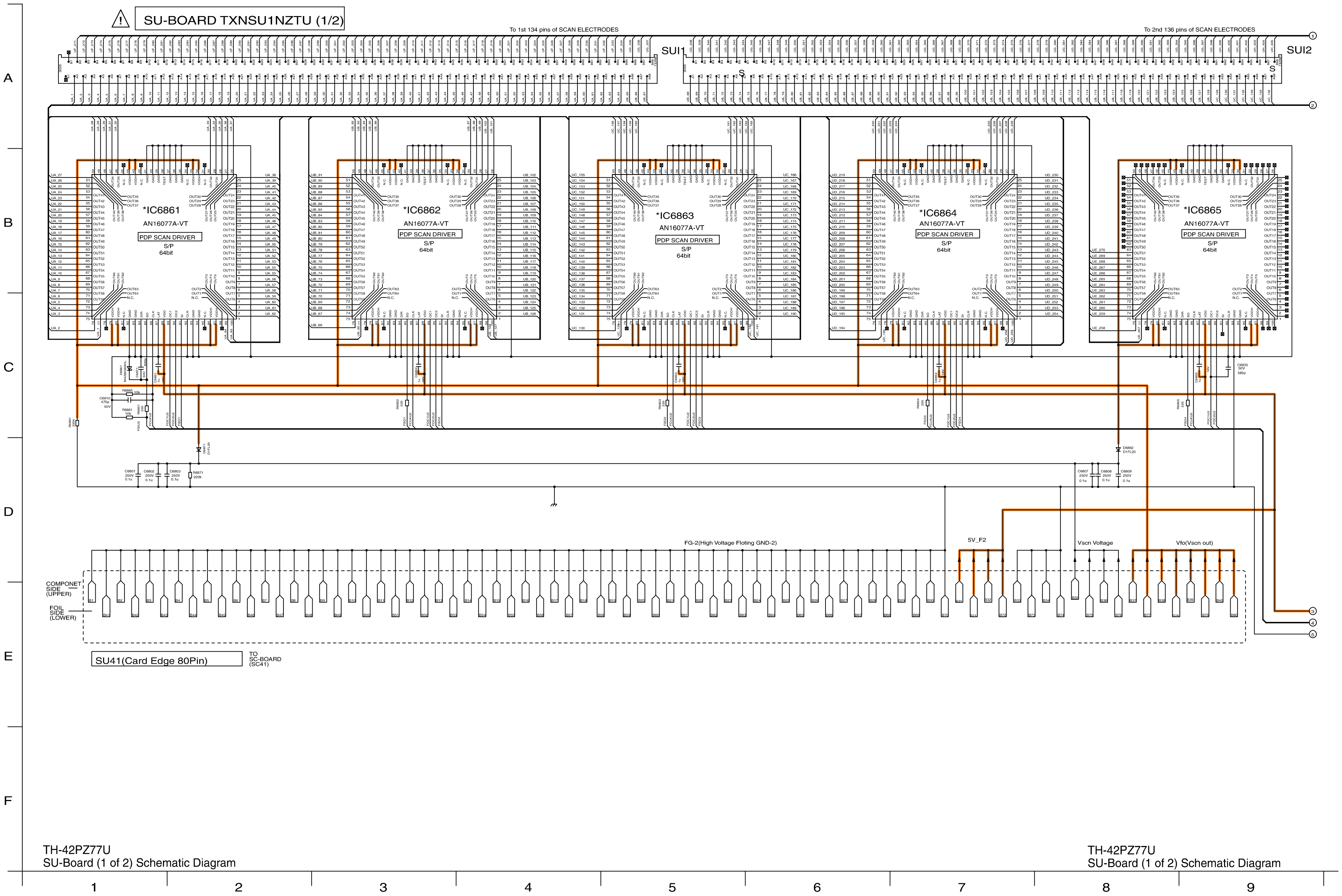

SC-BOARD TXNSC1NZTU (5/5)
SC41
TO SU-BOARD (SU41)
SC42
TO SU-BOARD (SU42)
SC43
TO SD-BOARD (SD43)
SC44
TO SD-BOARD (SD44)
SC45
TO SU-BOARD (SU45)
SC46
TO SD-BOARD (SD46)
D6873
D1FK70-7063
D6860
D1FK70-7063
VSCN_F2
VSCN_F1
5V_F1
5V_F2
VF_GND1
VF_GND2
TP40
TP42
TP43
TP44
TP49
TP48
TP47
TP45
F_FSIU1
F_FOC1U1
F_FCLKU1
F_FOC2U1
F_FOC2U2
F_FCLKU2
F_FOC1U2
F_FSIU2
TP070
TP072
TP073
TP074
TP069
TP068
TP067
TP065
F_FSID2
F_FOC1D2
F_FCLKD2
F_FOC2D2
F_FOC2D1
F_FCLKD1
F_FOC1D1
F_FSID1
TP044
TP045
TP046
TP047
TP048
TP062
TP063
TP049
TP050
TP051
TP052
TP053
R6494 180k
R6495 180k
R6496 180k
R6497 180k
R6490 180k
R6491 180k
R6492 180k
R6493 180k
TP28
TP29
TP30
TP31
TP32
TP33
TP34
TP35
ZA6403 K4CD01000011
ZA6402 K4CD01000011
ZA6401 K4CD01000011
Q6601
SC41
SC45
SC42
SC43
SC46
SC44
S1
S3
S4
S5
S6

15.62. SU and SD-Board Block Diagram

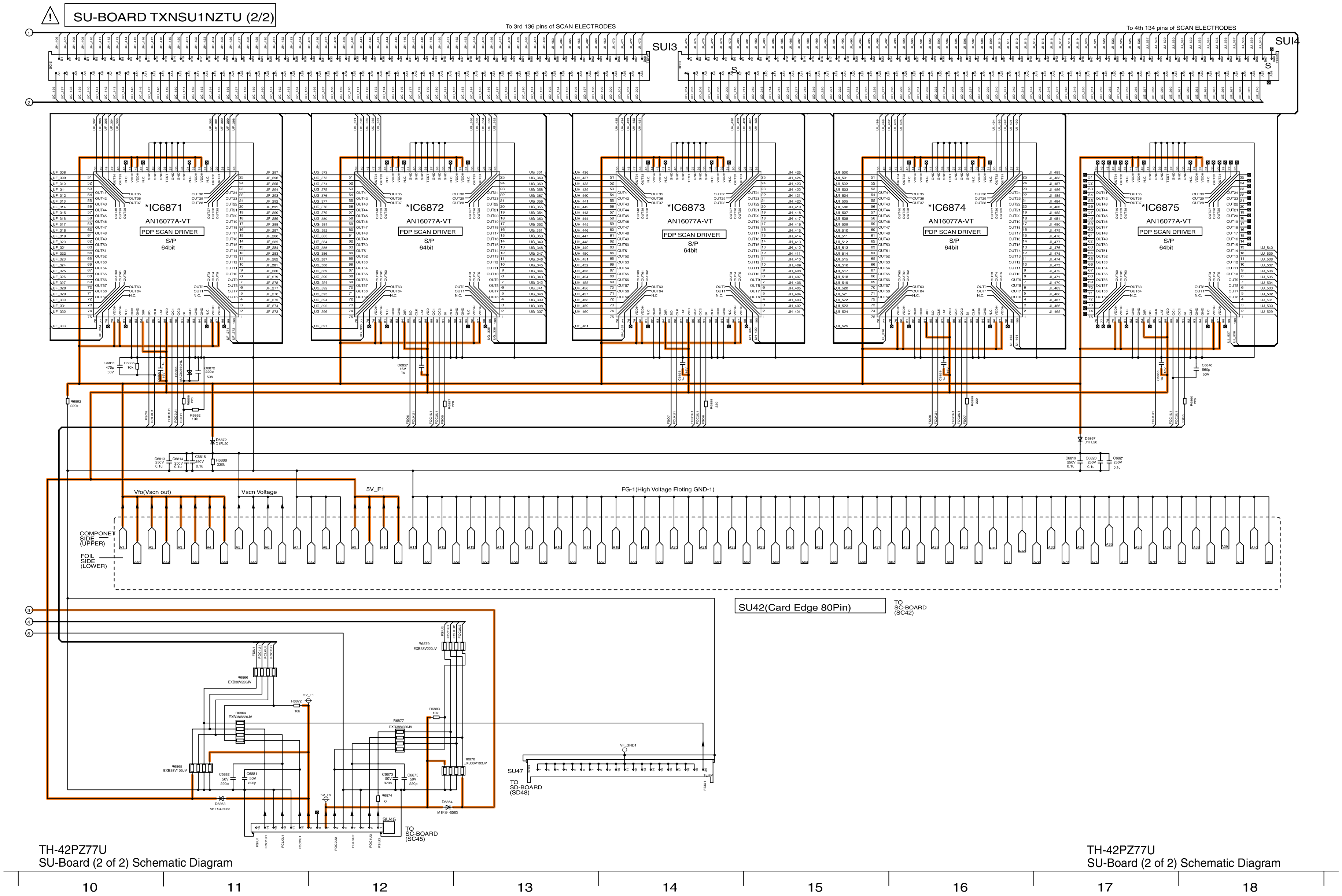

SU
SCAN OUT (UP)
ODD LINE
High Voltage Floating
GND・ 2nd Phase
SC42
SU42
Vf
+5V-F2
Vscn-F2
Vfo
FG2
5V_F2
VF_GND2
Vscn Voltage
Vfo(Vscn out)
D6871
D6872
SC45
SU 45
FSIU2
FOC1U2
FCLKU2
FOC2U2
5V_F2
5V_F1
FOC2U1
FCLKU1
FOC1U1
FSIU1
D6863
D6864
SC41
SU41
Vscn-F1
+5V_F1
VF_GND1
D6867
SD48
SU 47
IC6861
IC6862
IC6863
IC6864
IC6865
IC6871
IC6872
IC6873
IC6874
IC6875
VDDH
VDD
CLK
OC1
OC2
GND
SO
SI
S/P
64bit
14bit
ODD 67 LINES
EVEN 67 LINES
ODD 68 LINES
EVEN 68 LINES
SU1
SU2
SU3
SU4
134 LINES
136 LINES
FG1
EVEN LINE
High Voltage Floating
GND・ 1st Phase
PANEL
SCAN
ELECTRODES
540 LINES
(UPPER)


SD
SCAN OUT (DOWN)
EVEN LINE
High Voltage Floating
GND・ 1st Phase
SC44
SD44
Vf
+5V-F1
Vscn_F1
Vfo
FG1
5V_F1
VF_GND1
Vscn Voltage
Vfo(Vscn out)
D6968
D6961
SC46
SD 46
FSID1
FOC1D1
FCLKD1
FOC2D1
5V_F1
5V_F2
FOC2D2
FCLKD2
FOC1D2
FSID2
D6963
D6964
SC43
SD43
Vscn-F2
+5V_F2
VF_GND2
D6967
D6965
SU47
SD 48
IC6961
IC6962
IC6963
IC6964
IC6965
IC6971
IC6972
IC6973
IC6974
IC6975
VDDH
VDD
CLK
OC1
OC2
GND
SO
SI
S/P
64bit
14bit
EVEN 67 LINES
ODD 67 LINES
EVEN 68 LINES
ODD 68 LINES
134 LINES
136 LINES
FG2
ODD LINE
High Voltage Floating
GND・ 2nd Phase
PANEL
SCAN
ELECTRODES
540 LINES
(LOWER)

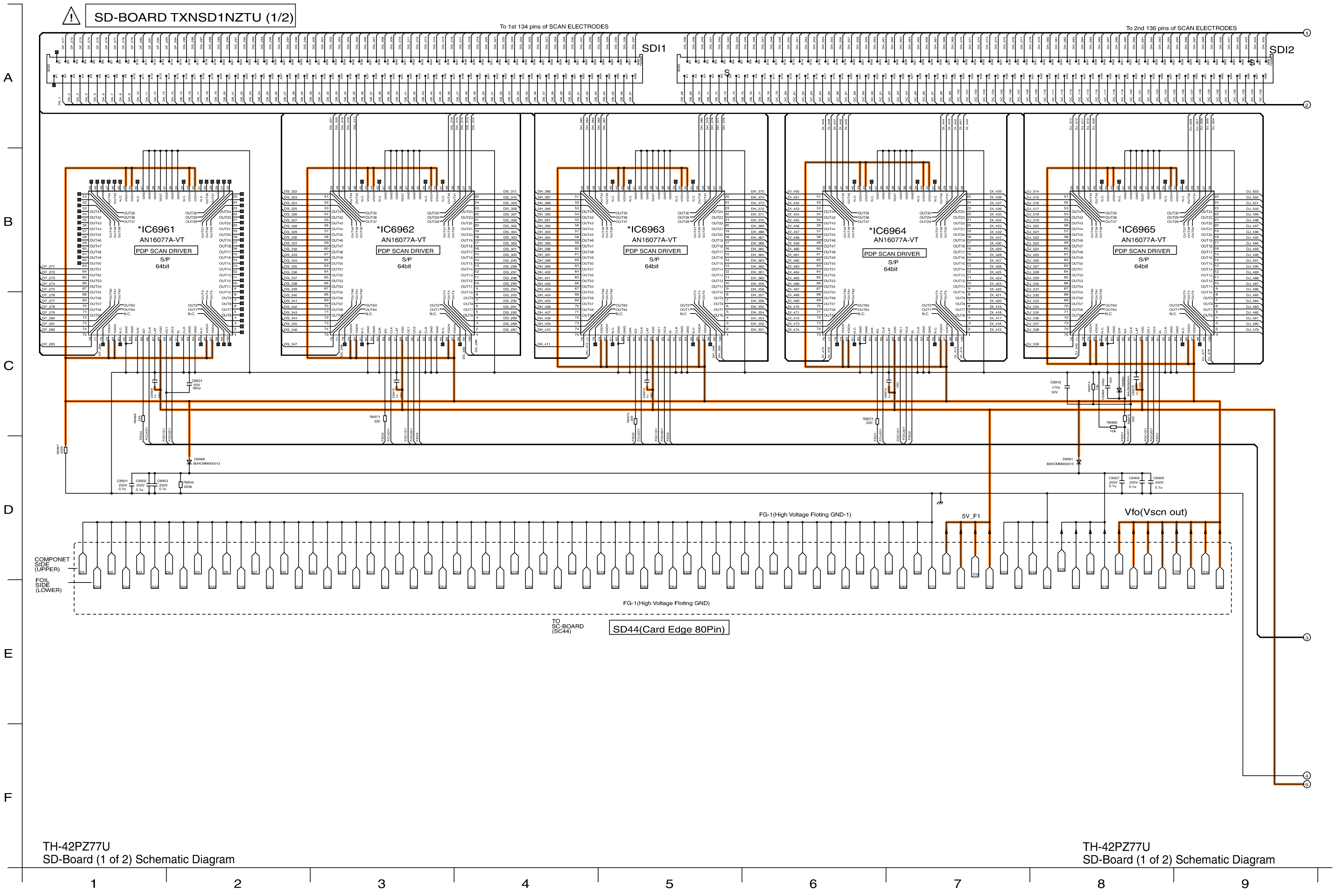
15.63. SU-Board (1 of 2) Schematic Diagram


SU-BOARD TXNSU1NZTU (1/2)
To 1st 134 pins of SCAN ELECTRODES
To 2nd 136 pins of SCAN ELECTRODES
SUI1
SUI2
*IC6861
*IC6862
*IC6863
*IC6864
*IC6865
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
FG-2(High Voltage Floting GND-2)
5V_F2
Vscn Voltage
Vfo(Vscn out)
COMPONET SIDE (UPPER)
FOIL SIDE (LOWER)
SU41(Card Edge 80Pin)
TO SC-BOARD (SC41)
D6862
D1FL20
D6871
C6801
C6802
C6803
C6807
C6808
C6809
R6871
220k
TH-42PZ77U
SU-Board (1 of 2) Schematic Diagram
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

15.64. SU-Board (2 of 2) Schematic Diagram


SU-BOARD TXNSU1NZTU (2/2)
To 3rd 136 pins of SCAN ELECTRODES
To 4th 134 pins of SCAN ELECTRODES
SUI3
SUI4
*IC6871
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6872
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6873
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6874
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6875
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
C6811 470p 50V
R6886 10k
C6872 220p 50V
R6892 220k
R6882 10k
D6872 D1FL20
C6813 250V 0.1u
C6814 250V 0.1u
C6815 250V 0.1u
R6888 220k
C6857 16V 1u
C6840 560p 50V
D6867 D1FL20
C6819 250V 0.1u
C6820 250V 0.1u
C6821 250V 0.1u
Vfo(Vscn out)
Vscn Voltage
5V_F1
FG-1(High Voltage Floting GND-1)
COMPONET SIDE (UPPER)
FOIL SIDE (LOWER)
SU42(Card Edge 80Pin)
TO SC-BOARD (SC42)
R6879 EXB38V220JV
R6866 EXB38V220JV
R6872 10k
R6864 EXB38V220JV
R6883 10k
R6877 EXB38V220JV
R6878 EXB38V103JV
R6865 EXB38V103JV
C6882 50V 220p
C6881 50V 820p
C6873 50V 820p
C6875 50V 220p
R6874 0
D6863 M1FS4-5063
D6864 M1FS4-5063
5V_F2
SU45
TO SC-BOARD (SC45)
SU47
TO SD-BOARD (SD48)
VF_GND1
TH-42PZ77U
SU-Board (2 of 2) Schematic Diagram
TH-42PZ77U
SU-Board (2 of 2) Schematic Diagram
10
11
12
13
14
15
16
17
18

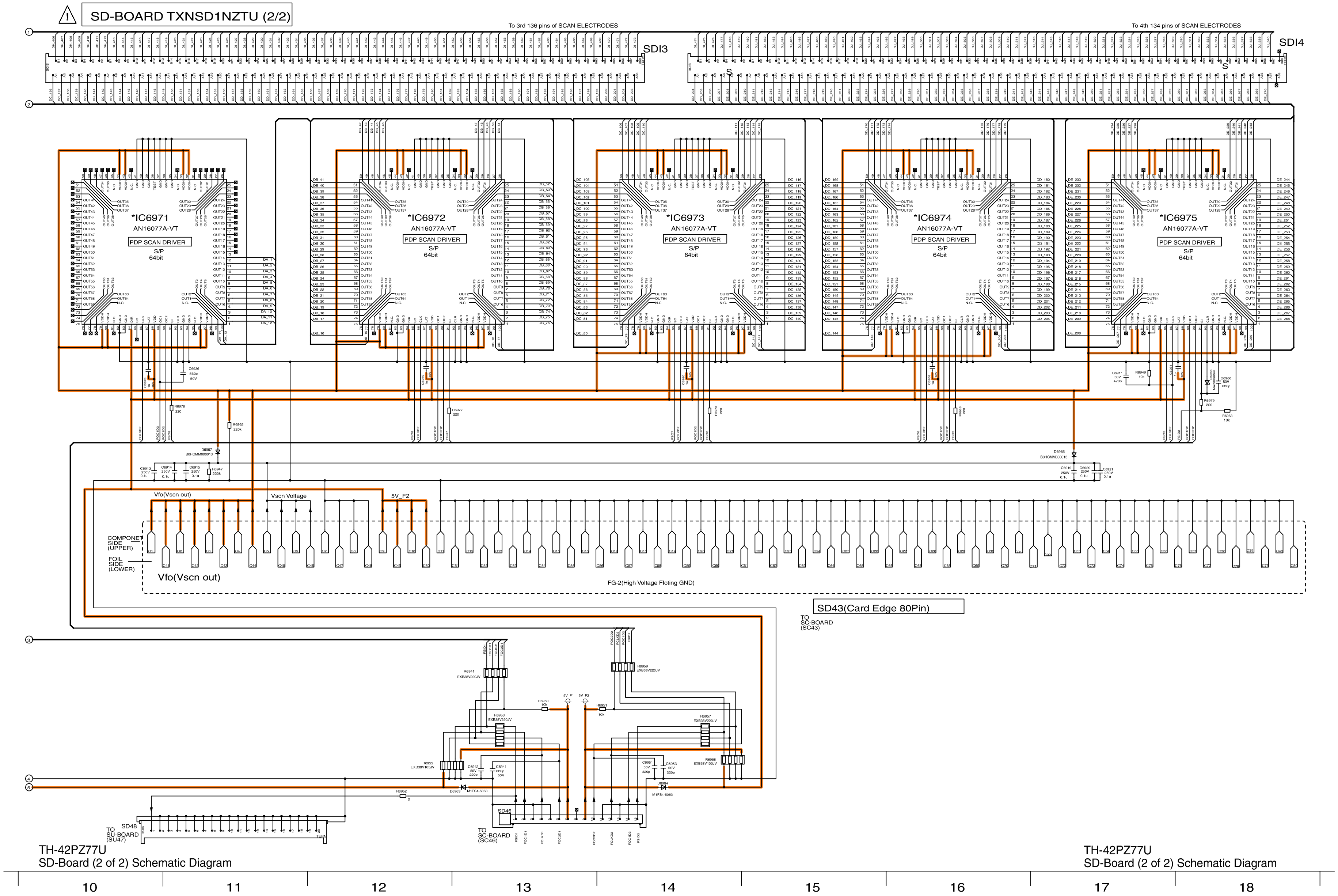
15.65. SD-Board (1 of 2) Schematic Diagram


SD-BOARD TXNSD1NZTU (1/2)
To 1st 134 pins of SCAN ELECTRODES
To 2nd 136 pins of SCAN ELECTRODES
SDI1
SDI2
*IC6961
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6962
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6963
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6964
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6965
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
D6968
B0HCMM000013
D6961
B0HCMM000013
FG-1(High Voltage Floting GND-1)
5V_F1
Vfo(Vscn out)
COMPONET SIDE (UPPER)
FOIL SIDE (LOWER)
FG-1(High Voltage Floting GND)
TO SC-BOARD (SC44)
SD44(Card Edge 80Pin)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

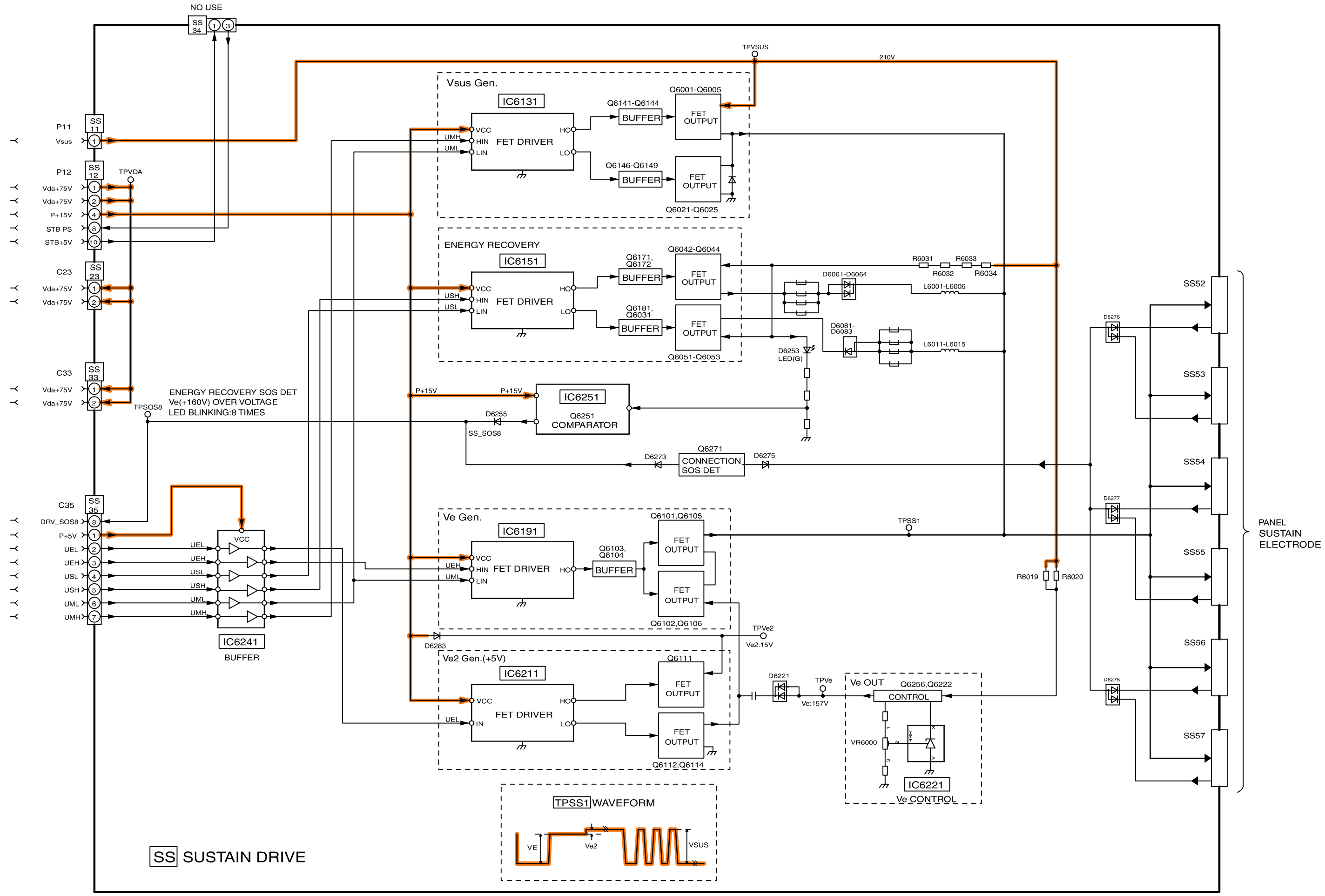
TH-42PZ77U
SD-Board (1 of 2) Schematic Diagram

TH-42PZ77U
SD-Board (1 of 2) Schematic Diagram

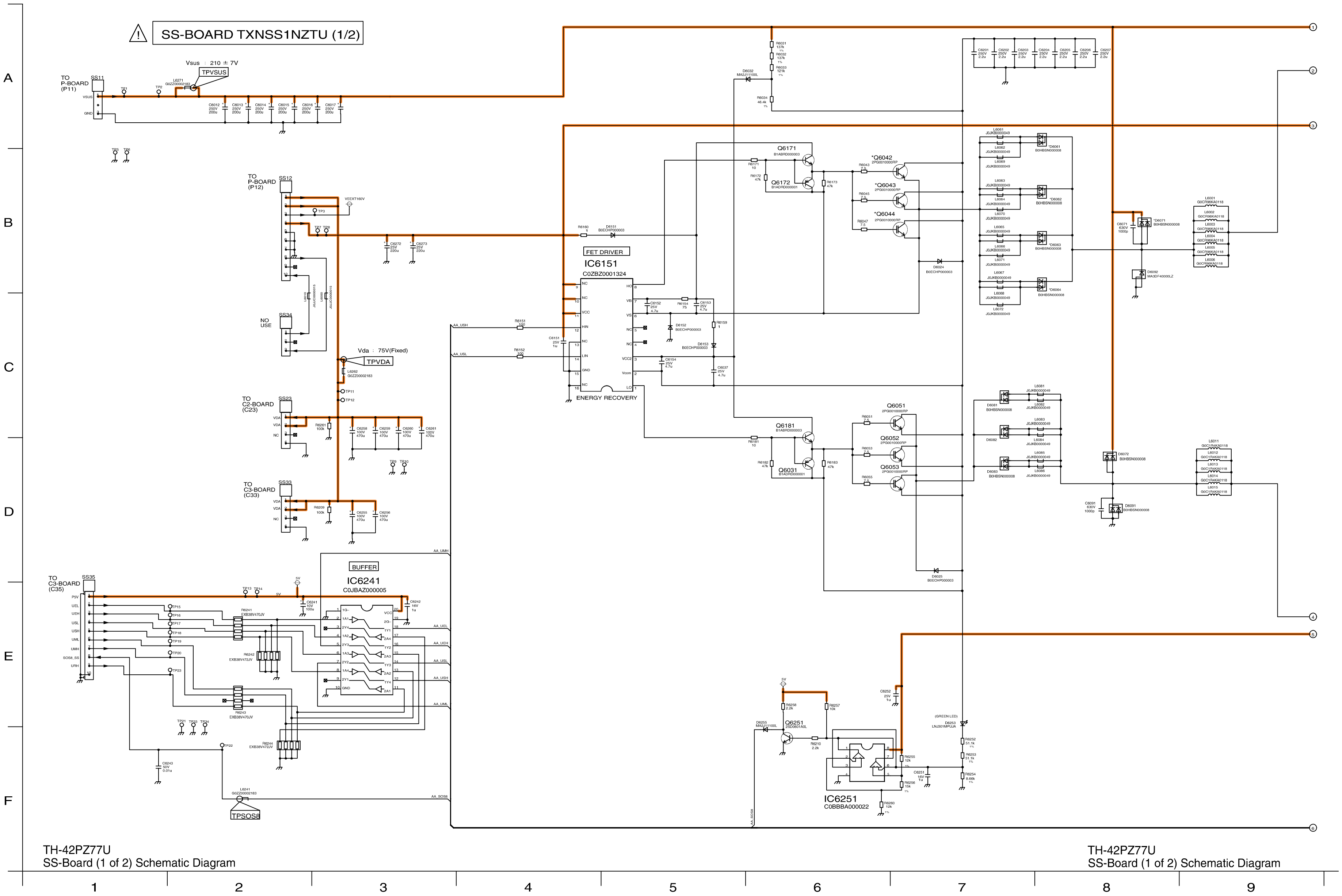
15.66. SD-Board (2 of 2) Schematic Diagram


SD-BOARD TXNSD1NZTU (2/2)
To 3rd 136 pins of SCAN ELECTRODES
To 4th 134 pins of SCAN ELECTRODES
SDI3
SDI4
*IC6971
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6972
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6973
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6974
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
*IC6975
AN16077A-VT
PDP SCAN DRIVER
S/P
64bit
Vfo(Vscn out)
Vscn Voltage
5V_F2
COMPONET SIDE (UPPER)
FOIL SIDE (LOWER)
Vfo(Vscn out)
FG-2(High Voltage Floting GND)
SD43(Card Edge 80Pin)
TO SC-BOARD (SC43)
SD46
TO SC-BOARD (SC46)
SD48
TO SU-BOARD (SU47)
D6967 B0HCMM000013
D6965 B0HCMM000013
R6941 EXB38V220JV
R6959 EXB38V220JV
R6953 EXB38V220JV
R6957 EXB38V220JV
R6955 EXB38V103JV
R6958 EXB38V103JV
D6963 M1FS4-5063
D6964 M1FS4-5063
5V_F1
5V_F2
TH-42PZ77U
SD-Board (2 of 2) Schematic Diagram
TH-42PZ77U
SD-Board (2 of 2) Schematic Diagram
10
11
12
13
14
15
16
17
18

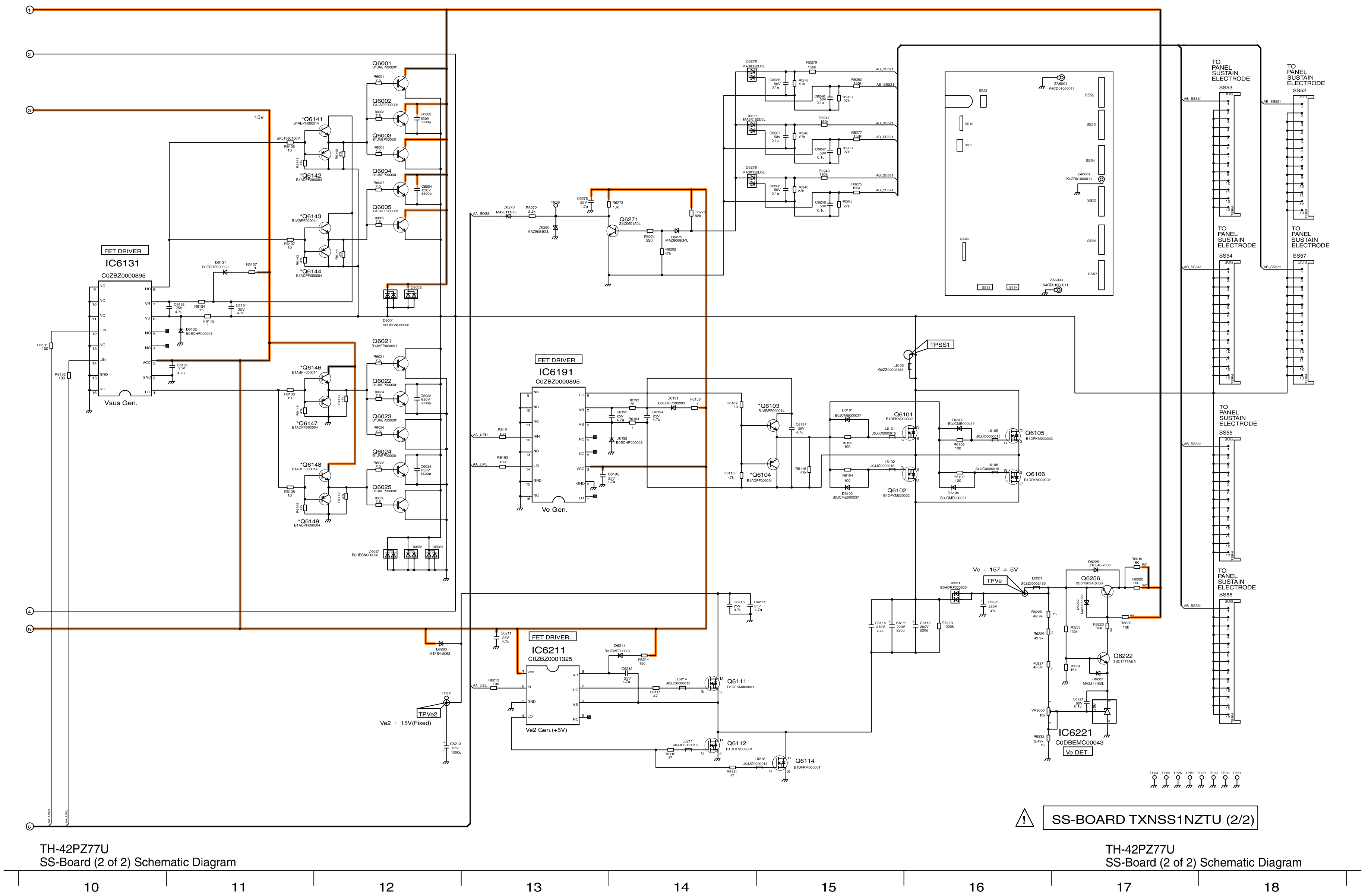
15.67. SS-Board Block Diagram


NO USE
SS34
P11
SS11
Vsus
P12
SS12
TPVDA
Vda+75V
Vda+75V
P+15V
STB PS
STB+5V
C23
SS23
Vda+75V
Vda+75V
C33
SS33
Vda+75V
Vda+75V
TPSOS8
ENERGY RECOVERY SOS DET
Ve(+160V) OVER VOLTAGE
LED BLINKING:8 TIMES
C35
SS35
DRV_SOS8
P+5V
UEL
UEH
USL
USH
UML
UMH
VCC
IC6241
BUFFER
TPVSUS
210V
Vsus Gen.
IC6131
FET DRIVER
VCC
HIN
LIN
HO
LO
UMH
UML
Q6141-Q6144
BUFFER
Q6146-Q6149
BUFFER
Q6001-Q6005
FET OUTPUT
Q6021-Q6025
FET OUTPUT
ENERGY RECOVERY
IC6151
USH
USL
Q6171, Q6172
Q6181, Q6031
Q6042-Q6044
Q6051-Q6053
R6031
R6032
R6033
R6034
D6061-D6064
L6001-L6006
D6081-D6083
L6011-L6015
D6253
LED(G)
P+15V
D6255
SS_SOS8
IC6251
Q6251
COMPARATOR
Q6271
CONNECTION
SOS DET
D6273
D6275
Ve Gen.
IC6191
UEH
UML
Q6103, Q6104
Q6101,Q6105
Q6102,Q6106
TPSS1
D6283
TPVe2
Ve2:15V
Ve2 Gen.(+5V)
IC6211
IN
UEL
Q6111
Q6112,Q6114
D6221
TPVe
Ve:157V
Ve OUT
Q6256,Q6222
CONTROL
VR6000
IC6221
Ve CONTROL
R6019
R6020
D6276
D6277
D6278
SS52
SS53
SS54
SS55
SS56
SS57
PANEL
SUSTAIN
ELECTRODE
TPSS1 WAVEFORM
VE
Ve2
VSUS
SS SUSTAIN DRIVE

15.68. SS-Board (1 of 2) Schematic Diagram

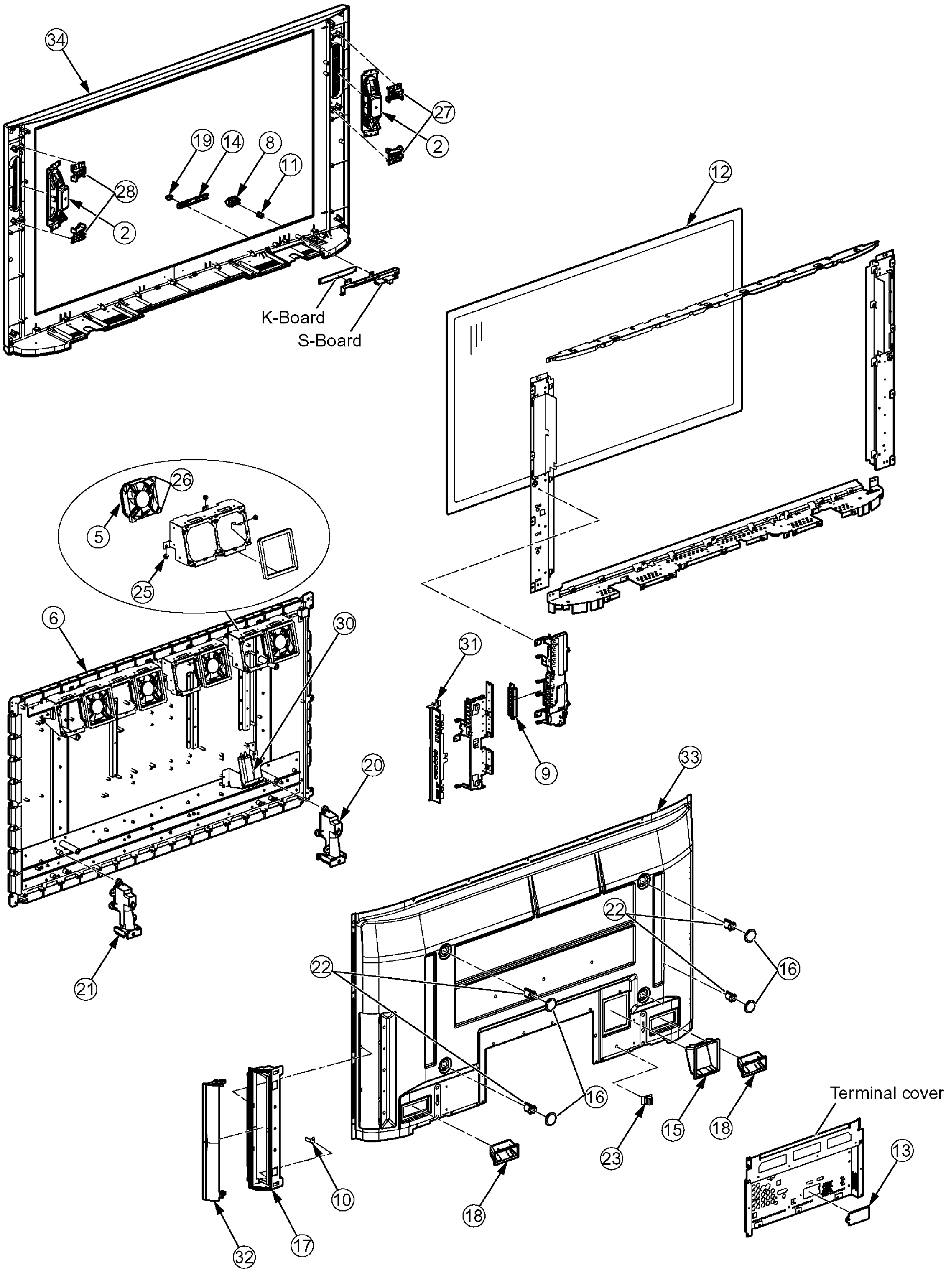

SS-BOARD TXNSS1NZTU (1/2)
Vsus : 210 ± 7V
TPVSUS
TO P-BOARD (P11)
SS11
TO P-BOARD (P12)
SS12
NO USE
SS34
Vda : 75V(Fixed)
TPVDA
TO C2-BOARD (C23)
SS23
TO C3-BOARD (C33)
SS33
TO C3-BOARD (C35)
SS35
BUFFER
IC6241
C0JBAZ000005
FET DRIVER
IC6151
C0ZBZ0001324
ENERGY RECOVERY
Q6171
Q6172
*Q6042
*Q6043
*Q6044
Q6181
Q6031
Q6051
Q6052
Q6053
Q6251
IC6251
C0BBBA000022
(GREEN LED)
TPSOS8
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TH-42PZ77U
SS-Board (1 of 2) Schematic Diagram
TH-42PZ77U
SS-Board (1 of 2) Schematic Diagram

15.69. SS-Board (2 of 2) Schematic Diagram

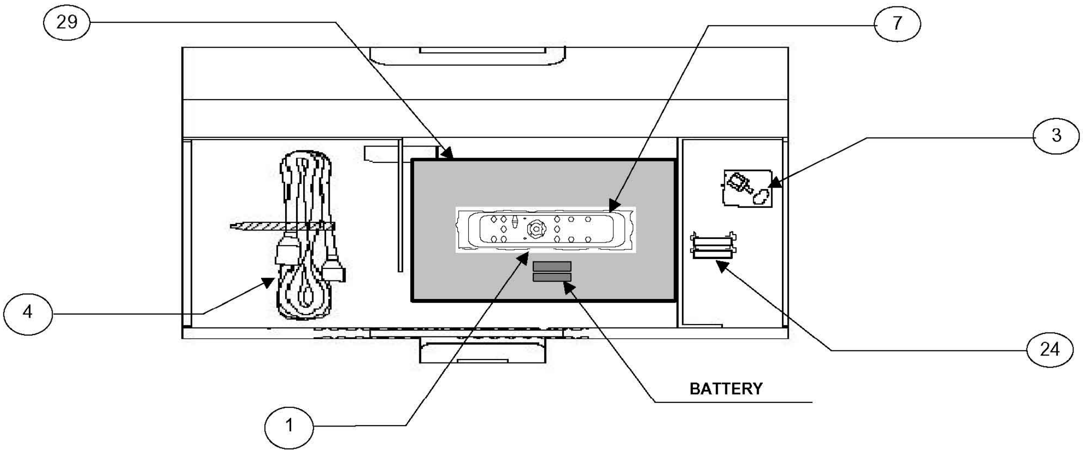

FET DRIVER
IC6131
C0ZBZ0000895
Vsus Gen.
15v
*Q6141
*Q6142
*Q6143
*Q6144
*Q6146
*Q6147
*Q6148
*Q6149
Q6001
Q6002
Q6003
Q6004
Q6005
Q6021
Q6022
Q6023
Q6024
Q6025
D6001
D6002
D6021
D6022
D6023
FET DRIVER
IC6191
C0ZBZ0000895
Ve Gen.
*Q6103
*Q6104
Q6101
Q6102
Q6105
Q6106
TPSS1
Q6271
2SD0601A0L
FET DRIVER
IC6211
C0ZBZ0001325
Ve2 Gen.(+5V)
Q6111
Q6112
Q6114
TPVe2
Ve2 : 15V(Fixed)
TPVe
Ve : 157 ± 5V
Q6256
Q6222
IC6221
C0DBEMC00043
Ve DET
TO PANEL SUSTAIN ELECTRODE SS53
TO PANEL SUSTAIN ELECTRODE SS52
TO PANEL SUSTAIN ELECTRODE SS54
TO PANEL SUSTAIN ELECTRODE SS57
TO PANEL SUSTAIN ELECTRODE SS55
TO PANEL SUSTAIN ELECTRODE SS56
SS-BOARD TXNSS1NZTU (2/2)
TH-42PZ77U
SS-Board (2 of 2) Schematic Diagram
TH-42PZ77U
SS-Board (2 of 2) Schematic Diagram
10
11
12
13
14
15
16
17
18

16 Exploded Views & Replacement Parts List

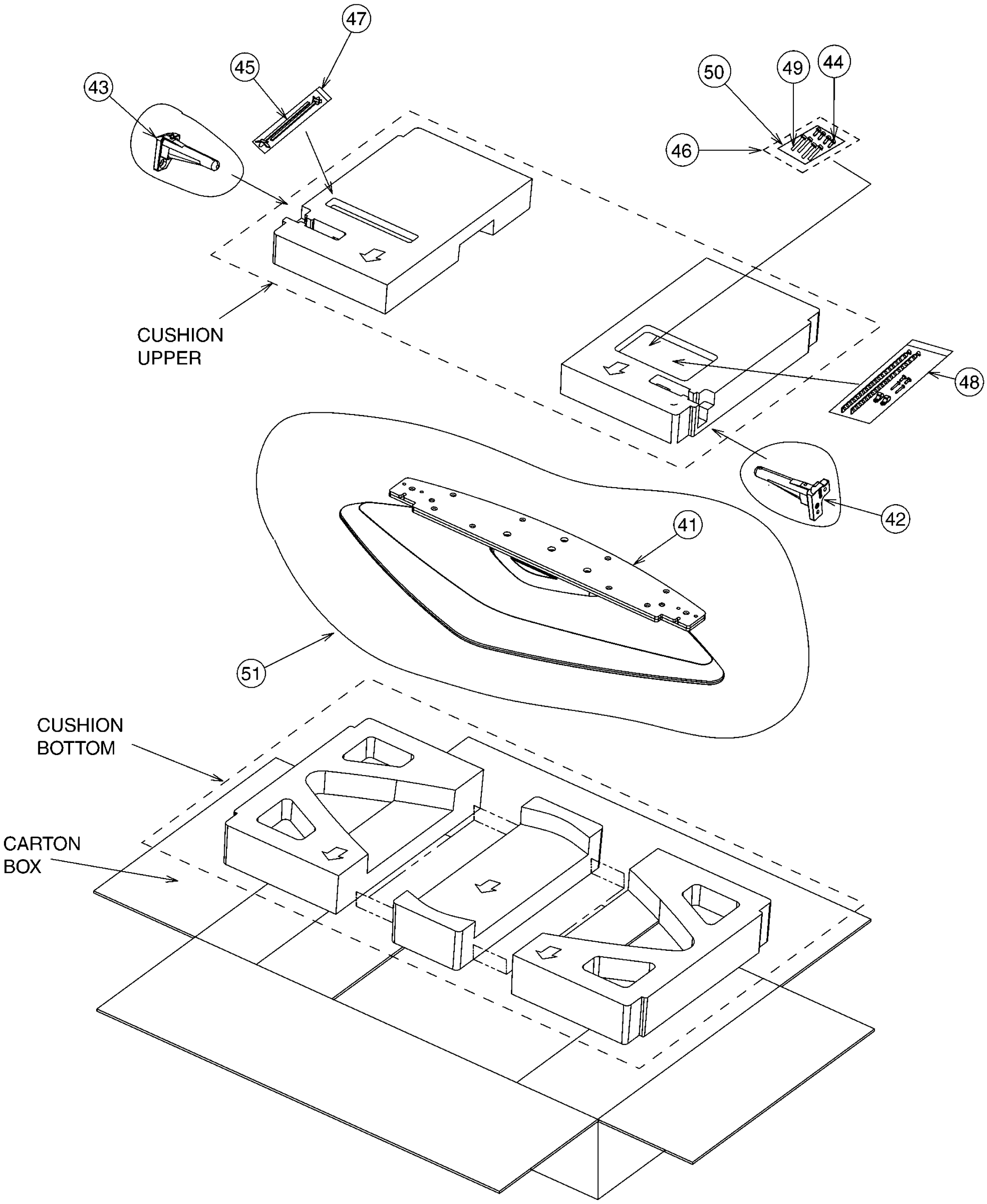
16.1. Exploded Views


34
27
2
19
14
8
11
28
2
12
K-Board
S-Board
26
5
25
6
30
31
9
20
33
21
22
16
22
16
15
18
23
18
10
17
32
Terminal cover
13

16.2. Packing Exploded Views (Accessories)


29
7
3
4
24
BATTERY
1

16.3. Packing Explode Views (Stand)


47
45
43
50
49
44
46
CUSHION
UPPER
48
42
41
51
CUSHION
BOTTOM
CARTON
BOX

16.4. Replacement Parts List Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.
After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.
After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V
Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide	J : ±5%
Metal FIlm	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polyprop	G : ±3pF
lene	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

16.5. Mechanical Replacement Parts List (PDP TV)

Note:

All parts except parts mentioned [PAVCA] in the Remarks column are supplied by PAVC-CSG.

Parts mentioned [PAVCA] are supplied by PAVCA.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	10030-0035400	BATTERY COVER	1	PAVCA
2	EAS16S06A	SPEAKER	2	PAVCA
3	K1RYYYA00016	F-TYPE (5C)	1	
4	K2CG3YY00023	AC CORD(U/L)	1	⚠
5	L6FAYYYH0050	FAN UNIT(80MM MMMC)	4	
6	MD42F10A2J	42FHD10 PDP PANEL	1	⚠
7	N2QAYB000100	REMOTE CONTROL	1	PAVCA
8	TBX2AA4304	POWER BUTTON	1	PAVCA
9	TBX2AA4501-1	CONTROL BUTTON	1	PAVCA
10	TES2AA0181	SIDE AV DOOR SPRING	1	PAVCA
11	TES2AA0191	POWER BUTTON SPRING	1	PAVCA
	THEL0429	SCREW	18	
	THEL047J	SCREW(HDMI:2)	2	
	THTA0419	HOOK SCREW	2	
	THTD013N	SCREW	10	
	THTF011N	SCREW	77	
12	TKGA5389S	FRONT GLASS	1	PAVCA
13	TKK2AA7701	ADJUSTMENT COVER	1	PAVCA
14	TKK2AA8001	PANEL LIGHT	1	PAVCA ⚠
15	TKP2AA1912	INLET COVER	1	PAVCA ⚠
16	TKP2AA1932	M8 SPACER CAP	4	PAVCA
17	TXFKP09RSER	SIDE AV HOLDER ASSY	1	PAVCA ⚠
18	TKR2AA00122	REAR COVER HANDLE	2	PAVCA ⚠
19	TKR2AA00192	IR FILTER CAP	1	PAVCA
20	TKZ0E9438	STAND BRACKET LEFT	1	PAVCA
21	TKZ0E9439	STAND BRACKET RIGHT	1	PAVCA
	TMM14490	CLAMPER	4	
	TMM16473-1	CLAMPER	2	
	TMM17499	CLAMPER	1	
22	TMM2AE0481	M8 SPACER	4	PAVCA
	TMM6428-1	CLAMPER	2	
	TMM7464-2	CLAMPER	5	
	TMM7468-1	CLAMPER	4	
	TMME061	CLAMPER	4	
	TMME084	CLAMPER	1	
	TMME088	CLAMPER	2	
	TMME111	CLAMPER	2	
	TMME190	CLAMPER	11	
23	TMME226	AC CORD CLAMPER	1	
	TMME260	CLAMPER	20	
	TMME285	CLAMPER	1	
	TMME287	CLAMPER	9	
24	TMME289	CLAMPER	2	
	TMME292	CLAMPER	5	
	TMME300	CLAMPER	2	
	TMME305	CLAMPER	1	
25	TMMJ068	RUBBER(FAN)	10	
26	TMMJ082	SPONGE(FAN CORNER)	16	
27	TMZ2AK1001	SPEAKER HOLDER A	2	PAVCA ⚠
28	TMZ2AK1002	SPEAKER HOLDER B	2	PAVCA ⚠
	TPD169487	JOINT	4	
29	TQB2AA0759	INSTRUCTION BOOK(ENG/FRE/SPA)	1	PAVCA ⚠
	TSXL519	CABLE (SD48-SU47)	1	
	TSXL520-1	CABLE (DG3-H3)	1	
	TSXL597	CABLE (C12-C22/C42-C32)	2	
	TSXL640	CABLE(D31-C10/D32-C11/D33-C20)	3	
	TSXL641	CABLE(D34-C30/D35-C41/D36-C40)	3	
30	TXAUX02NZTU	AC INLET ASSY	1	PAVCA ⚠
31	TXFKP07RSER	SIDE AV BRACKET	1	PAVCA
32	TXFKP08RSER	SIDE AV DOOR ASSY	1	PAVCA ⚠
33	TXFKU20RSER	REAR COVER	1	PAVCA ⚠
34	TXFKY01NZTU	CABINET ASSY	1	PAVCA ⚠
	TXFMX01EVTJ	CORE ASSY	1	
	TXJH12NZTU	SPEAKER LEAD (H12-SPR/L)	1	PAVCA
	TXJSWRLHTU	SPEAKER LEAD (SP-SPR/L)	2	PAVCA
	XTB4+12GFJ	SCREW	31	
	XTB4+12GFJK	SCREW	24	
	XTV3+10JFJK	SCREW	1	
	XTV3+12GFJ	SCREW	5	
	XTV3+8GFJK	SCREW	3	
	XYN3+F10FJ	SCREW	1	
	XYN3+F8FJ	SCREW	35	
	XYN3+J12FJ	SCREW	60	
	XYN3+J8FJ	SCREW	4	
	XYN4+E8FJ	SCREW	1	
	XYN4+F10FJ	SCREW	25	
	XYN4+F10FJK	SCREW	13	
	XYN5+C15FJ	SCREW	6	

16.6. Mechanical Replacement Parts List (Stand)

Note:

All parts except parts mentioned [PAVCA] in the Remarks column are supplied by PAVC-CSG.

Parts mentioned [PAVCA] are supplied by PAVCA.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
41	TBL2AX00161	PEDESTAL STAND COMPLETE	1	PAVCA
42	TBLA3330	STAND POLE A	1	
43	TBLA3331	STAND POLE B	1	
44	THEL051N	SCREW (FOR STAND POLE)	4	
45	TMME108	CABLE STRAP	2	
	TPEB250	EPE SHEET (STAND)	1	
	TPEB251	PE SHEET (STAND)	1	
46	TXFBL02LPTU	SCREW ASSY	1	PAVCA
47	TXFMM010ZCS	BAND ASSY	1	
48	TXFMM01LPTU	TIP-PREVENTION PARTS	1	
49	XYN5+F30FNK	SCREW (STAND-TV)	4	
50	XZB6X23B03	BAG	1	
51	XZB9X16A04	POLY BAG	1	

16.7. Electrical Replacement Parts List

Note:

All parts except parts mentioned [PAVCA] in the Remarks column are supplied by PAVC-CSG.

Parts mentioned [PAVCA] are supplied by PAVCA.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F601.602	K5D103BMA001	TIME LAG FUSE HIGH	2	⚠
C10,11	K1MN68BA0251	68P CONNECTOR	2	
C12	K1MN30BA0255	30P CONNECTOR	1	
C20	K1MN68BA0251	68P CONNECTOR	1	
C22	K1MN30BA0255	30P CONNECTOR	1	
C23	K1KA04BA0107	4P CONNECTOR	1	
C30	K1MN68BA0251	68P CONNECTOR	1	
C32	K1MN30BA0255	30P CONNECTOR	1	
C33	K1KA04BA0107	4P CONNECTOR	1	
C35	K1KA10B00218	10P CONNECTOR	1	
C40,41	K1MN68BA0251	68P CONNECTOR	2	
C42	K1MN30BA0255	30P CONNECTOR	1	
C858,59	ECJ2VB1E104K	C 0.1UF, K, 25V	2	
C860	ECA1EHG471	E 470UF, 25V	1	
C861,62	ECJ2VB1E104K	C 0.1UF, K, 25V	2	
C869	ECA1EHG471	E 470UF, 25V	1	
C1102	F1J0J1060004	C 0.010UF, K, 16V	1	
C1103,04	F1G1A104A012	C 0.01UF, K, 10V	2	
C1105	F1H0J1050012	C 1UF, K, 16V	1	
C1106	F1H1H2700008	E 27UF, 50V	1	
C1107	F1H1H2200008	E 22UF, 50V	1	
C1108	F1G1A104A012	C 0.01UF, K, 10V	1	
C1109	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1111	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1112	F1G1A104A012	C 0.01UF, K, 10V	1	
C1114	F1G1A104A012	C 0.01UF, K, 10V	1	
C1117	F1G1A104A012	C 0.01UF, K, 10V	1	
C1122	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C1123	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1193,94	F1J0J1060004	C 0.010UF, K, 16V	2	
C1197	F1G1H101A565	C 100PF, K, 50V	1	
C2023	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2048-50	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C2052,53	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C2054	F1J1A106A043	C 0.010UF, K, 10V	1	
C2055,56	ECJ1VC1H120J	C 12PF, J, 50V	2	
C2057,58	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C2059	ECA1CM470	E 47UF, 16V	1	
C2100	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2101	F1J1A106A043	C 0.010UF, K, 10V	1	
C2102	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2103	EEEHB1C101UP	C 100PF, J, 16V	1	
C2105,06	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C2107,08	ECA1CM470	E 47UF, 16V	2	
C2111	F1H0J2250008	C 2.2UF, K, 16V	1	
C2116	F1H1H471A792	E 470UF, 50V	1	
C2118	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C2126	F1J1A106A043	C 0.010UF, K, 10V	1	
C2133	ECA1CM470	E 47UF, 16V	1	
C2134	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2143	F1H1H181A792	E 180UF, 50V	1	
C2146	F1H1H181A792	E 180UF, 50V	1	
C2153	ECJ1VC1H330J	C 33PF, J, 50V	1	
C2170	ECJ1VC1H330J	C 33PF, J, 50V	1	
C2171	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2173	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C2183	F1J1A106A043	C 0.010UF, K, 10V	1	
C2185	F1J1A106A043	C 0.010UF, K, 10V	1	
C2186	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2187	F1H0J2250008	C 2.2UF, K, 16V	1	
C2188	F1H1H471A792	E 470UF, 50V	1	
C2189	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C2190,91	F1J1A106A043	C 0.010UF, K, 10V	2	
C2192	ECA1CM470	E 47UF, 16V	1	
C2213	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2216	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2244	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2245	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2246	F1J1A106A043	C 0.010UF, K, 10V	1	
C2251	F1J1A106A043	C 0.010UF, K, 10V	1	
C2263,64	ECJ2FB1A475K	C 4.7UF, K, 10V	2	
C2267,68	ECJ1XC1H101J	C 100PF, J, 50V	2	
C2274	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C2301,02	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C2303	F1J1E105A171	E 1 UF 25V	1	
C2305	F1J1E105A171	E 1 UF 25V	1	
C2307	F1J1E105A171	E 1 UF 25V	1	
C2309	F1J1E105A171	E 1 UF 25V	1	
C2313	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2317	ECJ1VB1C333K	C 0.033UF, K, 16V	1	
C2319	ECJ1VB1C333K	C 0.033UF, K, 16V	1	
C2321	ECJ1VB1C333K	C 0.033UF, K, 16V	1	
C2323	ECJ1VB1C333K	C 0.033UF, K, 16V	1	
C2325	F1J1H474A757	C 0.47UF, 50V	1	
C2331	F1J1H474A757	C 0.47UF, 50V	1	
C2333	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2335	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2337	F1H1H223A219	E 0.022UF, 50V	1	
C2339	F1H1H223A219	E 0.022UF, 50V	1	
C2341	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2343	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2345	F1H1H223A219	E 0.022UF, 50V	1	
C2347	F1H1H223A219	E 0.022UF, 50V	1	
C2349	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2352	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2353	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2355	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2357	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2359	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2361	ECA1EM471	E 470UF, 25V	1	
C2363	ECA1CM221	E 220UF, 16V	1	
C2365	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2367	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2369	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2371	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2373	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2375	F1H1H223A219	E 0.022UF, 50V	1	
C2377	F1H1H223A219	E 0.022UF, 50V	1	
C2379	F1H1H223A219	E 0.022UF, 50V	1	
C2381	F1H1H223A219	E 0.022UF, 50V	1	
C2383	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2385	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2387	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2389	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2512	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2515	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2521	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3001	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3003	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3005	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3006	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3007	ECA1CM101	E 100UF, 16V	1	
C3014	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3016	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3018	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3020	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3025	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3032	ECA1HM220	E 22UF, 50V	1	
C3033	ECA1CM221	E 220UF, 16V	1	
C3045	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3069	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3071	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3073	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3075	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3077	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3079	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3081	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3086	ECA1HM100	E 10UF, 50V	1	
C3087	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3095	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3097	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3099	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3103,04	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C3105	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3106-17	ECJ1VB1A105K	C 0.01UF, Z, 50V	12	
C3120,21	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C3123,24	F1K1A106A021	C 0.010UF, K,6.3V	2	PAVCA
C3132,33	F1H0J2250008	C 2.2UF, K, 16V	2	
C3138	ECA1HM220	E 22UF, 50V	1	
C3145	ECA1CM101	E 100UF, 16V	1	
C3146	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3153	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3157	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3201	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3216	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3226-28	ECJ1XB1H104K	C 10PF, J, 50V	3	
C3500	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C3502	F2A1C471A537	E 470UF, 16V	1	
C3503	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C3504	F2A1C471A537	E 470UF, 16V	1	
C3505	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C3513,14	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C3516	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C3530	ECA1EM471	E 470UF, 25V	1	
C3539	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C3750	F1J1H102A721	E 1000UF, 50V	1	
C4075	F1G1A104A012	C 0.01UF, K, 10V	1	
C4077,78	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C4204	F1J1H104A717	C 0.10UF, 50V	1	
C4205	EEEHB1A101P	C 100PF, J, 10V	1	
C4208	F1J1H104A717	C 0.10UF, 50V	1	
C4209	EEEHB1A101P	C 100PF, J, 10V	1	
C4500-03	F1G1C104A081	C 0.10UF, K, 16V	4	
C4506,07	F1G1C104A081	C 0.10UF, K, 16V	2	
C4508,09	EEEHB0J330R	C 33PF, J, 6.3V	2	
C4510,11	F1G1C104A081	C 0.10UF, K, 16V	2	
C4515	F1G1C104A081	C 0.10UF, K, 16V	1	
C4527	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4528	F1G1C104A081	C 0.10UF, K, 16V	1	
C4531	F1G1C104A081	C 0.10UF, K, 16V	1	
C4533	F1G1H680A565	E 68UF, 50V	1	
C4534,35	ECJ1XB1H104K	C 10PF, J, 50V	2	
C4538	F2G0J470A019	E 47UF 6.3V	1	
C4539	F1J1A106A043	C 0.010UF, K, 10V	1	
C4541	F1H1H471A219	E 470UF, 50V	1	
C4543-45	F1G1C104A081	C 0.10UF, K, 16V	3	
C4546	F1H0J2250008	C 2.2UF, K, 16V	1	
C4547	F1G1C104A081	C 0.10UF, K, 16V	1	
C4548,49	ECJ1XB1H104K	C 10PF, J, 50V	2	
C4550	F1G1C104A081	C 0.10UF, K, 16V	1	
C4551,52	ECJ1XB1H104K	C 10PF, J, 50V	2	
C4553	F1G1H1020008	E 1000UF, 50V	1	
C4555,56	F1J1A106A043	C 0.010UF, K, 10V	2	
C4557	F1G1C104A081	C 0.10UF, K, 16V	1	
C4559,60	F1G1C104A081	C 0.10UF, K, 16V	2	
C4562	F1H1H822A219	E 8200UF, 50V	1	
C4563	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4564,65	F1G1E1030005	C 0.01UF, Z, 25V	2	
C4566	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C4568	F1G1C104A081	C 0.10UF, K, 16V	1	
C4569	F1J1C684A097	C 0.68UF, Z, 16V	1	
C4570	F2G0J470A019	E 47UF 6.3V	1	
C4572,73	F1G1C104A081	C 0.10UF, K, 16V	2	
C4574	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4575	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4576	EEEHB1C220R	C 22PF, J, 16V	1	
C4577,78	F1G1C104A081	C 0.10UF, K, 16V	2	
C4580	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4581	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4582,83	F1G1C104A081	C 0.10UF, K, 16V	2	
C4584,85	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4586	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4587	F1G1C104A081	C 0.10UF, K, 16V	1	
C4588	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4589	F1G1H150A565	E 15UF, 50V	1	
C4590	F1G1H180A565	E 18UF, 50V	1	
C4593	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4595	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4596	F1G1C104A081	C 0.10UF, K, 16V	1	
C4598	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4600,01	F1G1E1030005	C 0.01UF, Z, 25V	2	
C4602	F1G1C104A081	C 0.10UF, K, 16V	1	
C4604	F1H0J2250008	C 2.2UF, K, 16V	1	
C4605	F1G1C104A081	C 0.10UF, K, 16V	1	
C4607	F2G0J470A019	E 47UF 6.3V	1	
C4609	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4611	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4612	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4613	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4614	F1G1C104A081	C 0.10UF, K, 16V	1	
C4615	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4616,17	F1G1C104A081	C 0.10UF, K, 16V	2	
C4618	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4619	F1G1C104A081	C 0.10UF, K, 16V	1	
C4620	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4623	F1G1C104A081	C 0.10UF, K, 16V	1	
C4624,25	ECJ1XB1H104K	C 10PF, J, 50V	2	
C4630	F1G1A104A012	C 0.01UF, K, 10V	1	
C4701	F1G1H1020008	E 1000UF, 50V	1	
C4702	F1G1A104A012	C 0.01UF, K, 10V	1	
C4703	F1G1H1020008	E 1000UF, 50V	1	
C4704,05	F1G1A104A012	C 0.01UF, K, 10V	2	
C4711,12	F1G1A104A012	C 0.01UF, K, 10V	2	
C4713,14	F1G1H1020008	E 1000UF, 50V	2	
C4715	F1G1A104A012	C 0.01UF, K, 10V	1	
C4716-19	F1G1H1020008	E 1000UF, 50V	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4721	F1G1A104A012	C 0.01UF, K, 10V	1	
C4722	F1G1H1020008	E 1000UF, 50V	1	
C4724	F1G1H1020008	E 1000UF, 50V	1	
C4725-28	F1G1A104A012	C 0.01UF, K, 10V	4	
C4741	F1G1H1020008	E 1000UF, 50V	1	
C4742	F1G1A104A012	C 0.01UF, K, 10V	1	
C4743	F1G1H1020008	E 1000UF, 50V	1	
C4744,45	F1G1A104A012	C 0.01UF, K, 10V	2	
C4746	F1G1H1020008	E 1000UF, 50V	1	
C4751-55	F1G1A104A012	C 0.01UF, K, 10V	5	
C4761-63	ECJ1VB1H103K	C 0.001UF, K, 50V	3	
C4771	F1G1H1020008	E 1000UF, 50V	1	
C4772	F1G1A104A012	C 0.01UF, K, 10V	1	
C4773	F1G1H1020008	E 1000UF, 50V	1	
C4774,75	F1G1A104A012	C 0.01UF, K, 10V	2	
C4776	F1G1H1020008	E 1000UF, 50V	1	
C4777-80	F1G1A104A012	C 0.01UF, K, 10V	4	
C4795-98	F1G1H1020008	E 1000UF, 50V	4	
C5000	F2G0J470A019	E 47UF 6.3V	1	
C5001	F1G1A104A012	C 0.01UF, K, 10V	1	
C5002	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5004	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5005	F1G1A104A012	C 0.01UF, K, 10V	1	
C5006	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5007	F1G1A104A012	C 0.01UF, K, 10V	1	
C5008	ECJ1XC1H820J	C 82PF, J, 50V	1	
C5009	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5010	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5011,12	F1G1A104A012	C 0.01UF, K, 10V	2	
C5013	ECJ1VC1H680J	C 68PF, J, 50V	1	
C5015	F1G1A104A012	C 0.01UF, K, 10V	1	
C5016,17	ECJ1VC1H180J	C 18PF, J, 50V	2	
C5018	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5019	F1G1A104A012	C 0.01UF, K, 10V	1	
C5020	F1G1H1020008	E 1000UF, 50V	1	
C5021	F1J0J1060004	C 0.010UF, K, 16V	1	
C5022	F1G1A104A012	C 0.01UF, K, 10V	1	
C5024	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5025	F1G1A104A012	C 0.01UF, K, 10V	1	
C5026	F1G1H1020008	E 1000UF, 50V	1	
C5027	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5028	F1G1A104A012	C 0.01UF, K, 10V	1	
C5029	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5031	F1J0J1060004	C 0.010UF, K, 16V	1	
C5032,33	F1G1A104A012	C 0.01UF, K, 10V	2	
C5034,35	F1J0J1060004	C 0.010UF, K, 16V	2	
C5036	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5037	F2G0J470A019	E 47UF 6.3V	1	
C5038	F1G1A104A012	C 0.01UF, K, 10V	1	
C5040	F1G1H1020008	E 1000UF, 50V	1	
C5041	F1G1A104A012	C 0.01UF, K, 10V	1	
C5042	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5043	F1G1A104A012	C 0.01UF, K, 10V	1	
C5044,45	F1G1H1020008	E 1000UF, 50V	2	
C5046,47	F1G1A104A012	C 0.01UF, K, 10V	2	
C5048	F1G1H1020008	E 1000UF, 50V	1	
C5049	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5050	F1G1A104A012	C 0.01UF, K, 10V	1	
C5051,52	F1G1H1020008	E 1000UF, 50V	2	
C5053	F1G1A104A012	C 0.01UF, K, 10V	1	
C5054	F1G1H1020008	E 1000UF, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C5055-58	F1G1A104A012	C 0.01UF, K, 10V	4	
C5059	F1G1H1020008	E 1000UF, 50V	1	
C5060	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5061,62	F1G1A104A012	C 0.01UF, K, 10V	2	
C5063,64	F1G1H1020008	E 1000UF, 50V	2	
C5065	ECGRL0G680ER	C 68PF, J, 4V	1	
C5066	F2G0J470A019	E 47UF 6.3V	1	
C5067	F1G1A104A012	C 0.01UF, K, 10V	1	
C5068-70	F1G1H1020008	E 1000UF, 50V	3	
C5071,72	F1G1A104A012	C 0.01UF, K, 10V	2	
C5073,74	F1G1H1020008	E 1000UF, 50V	2	
C5075	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5076-79	F1G1H1020008	E 1000UF, 50V	4	
C5080	F1G1A104A012	C 0.01UF, K, 10V	1	
C5081-83	F1G1H1020008	E 1000UF, 50V	3	
C5084	F1G1A104A012	C 0.01UF, K, 10V	1	
C5085,86	F1G1H1020008	E 1000UF, 50V	2	
C5087	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5088	F1G1A104A012	C 0.01UF, K, 10V	1	
C5089,90	F1G1H1020008	E 1000UF, 50V	2	
C5091	F1G1A104A012	C 0.01UF, K, 10V	1	
C5092-94	F1G1H1020008	E 1000UF, 50V	3	
C5095	F1G1A104A012	C 0.01UF, K, 10V	1	
C5096	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5097-00	F1G1H1020008	E 1000UF, 50V	4	
C5101,02	F1G1A104A012	C 0.01UF, K, 10V	2	
C5103	F1G1H1020008	E 1000UF, 50V	1	
C5104	F1G1A104A012	C 0.01UF, K, 10V	1	
C5105	F1G1H1020008	E 1000UF, 50V	1	
C5106	F1G1A104A012	C 0.01UF, K, 10V	1	
C5107	F1G1H1020008	E 1000UF, 50V	1	
C5108,09	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C5110	F1G1A104A012	C 0.01UF, K, 10V	1	
C5111,12	F1G1H1020008	E 1000UF, 50V	2	
C5113	F1G1A104A012	C 0.01UF, K, 10V	1	
C5114	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5115	F1G1H1020008	E 1000UF, 50V	1	
C5116	F1G1A104A012	C 0.01UF, K, 10V	1	
C5117,18	F1J0J1060004	C 0.010UF, K, 16V	2	
C5120	F1G1A104A012	C 0.01UF, K, 10V	1	
C5121	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5144	F1J0J1060004	C 0.010UF, K, 16V	1	
C5235	F1G1H1020008	E 1000UF, 50V	1	
C5268-70	F1J0J1060004	C 0.010UF, K, 16V	3	
C5271	F1G1A104A012	C 0.01UF, K, 10V	1	
C5272	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5273	F1G1A104A012	C 0.01UF, K, 10V	1	
C5274	EEEHB0G101R	C 100PF, J, 4V	1	
C5275	F1H1H471A792	E 470UF, 50V	1	
C5276	EEFCD0G560ER	56UF,	1	
C5277	F1G1A104A012	C 0.01UF, K, 10V	1	
C5278	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5279	F1G1A104A012	C 0.01UF, K, 10V	1	
C5280	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5281	F1G1A104A012	C 0.01UF, K, 10V	1	
C5282	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5283	F1G1A104A012	C 0.01UF, K, 10V	1	
C5284	ECJ0EB1C103K	C 0.010UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C5285-87	F1G1A104A012	C 0.01UF, K, 10V	3	
C5288	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5289	F1G1A104A012	C 0.01UF, K, 10V	1	
C5290	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5291,92	F1G1A104A012	C 0.01UF, K, 10V	2	
C5293	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5294	F1G1A104A012	C 0.01UF, K, 10V	1	
C5295	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5296	F1G1A104A012	C 0.01UF, K, 10V	1	
C5297	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5298	F1G1A104A012	C 0.01UF, K, 10V	1	
C5299	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5300	F1G1A104A012	C 0.01UF, K, 10V	1	
C5301	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5302	F1G1A104A012	C 0.01UF, K, 10V	1	
C5303	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5343	F1G1A104A012	C 0.01UF, K, 10V	1	
C5344	F1G1H1020008	E 1000UF, 50V	1	
C5345	F1G1A104A012	C 0.01UF, K, 10V	1	
C5347	F1J0J1060004	C 0.010UF, K, 16V	1	
C5348	F1G1A104A012	C 0.01UF, K, 10V	1	
C5350	F1H0J1050012	C 1UF, K, 16V	1	
C5351	EEEHB0G470R	C 47PF, J, 4V	1	
C5352	F1H1H471A792	E 470UF, 50V	1	
C5353	F1H0J1050012	C 1UF, K, 16V	1	
C5354-56	F1G1A104A012	C 0.01UF, K, 10V	3	
C5357	EEEHB0G470R	C 47PF, J, 4V	1	
C5358	F1H0J1050012	C 1UF, K, 16V	1	
C5359	EEEHB0G470R	C 47PF, J, 4V	1	
C5360	F1H1H471A792	E 470UF, 50V	1	
C5361	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5362	F1G1A104A012	C 0.01UF, K, 10V	1	
C5363	EEEHB0G470R	C 47PF, J, 4V	1	
C5364-91	F1G1A104A012	C 0.01UF, K, 10V	28	
C5392	F1J0J1060004	C 0.010UF, K, 16V	1	
C5393	F1H1A154A012	C 0.15UF, K, 50V	1	
C5394	F1G1A104A012	C 0.01UF, K, 10V	1	
C5395	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5397	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5600	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5601	F1G1C104A081	C 0.10UF, K, 16V	1	
C5602	ECGRL0G680ER	C 68PF, J, 4V	1	
C5603,04	F1G1E1030005	C 0.01UF, Z, 25V	2	
C5605	F1J1A475A039	C 4.7UF, K, 10V	1	
C5606	F1H1H471A219	E 470UF, 50V	1	
C5607	F1G1H221A459	E 220UF, 50V	1	
C5608	F1G1C104A081	C 0.10UF, K, 16V	1	
C5609,10	EEEHB1C470P	C 47PF, J, 16V	2	
C5613	F1H0J1050012	C 1UF, K, 16V	1	
C5614	F1G1A104A012	C 0.01UF, K, 10V	1	
C5615	F1J1A106A043	C 0.010UF, K, 10V	1	
C5616	ECJ0EB1A473K	C 0.047UF, K, 10V	1	
C5617	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5618,19	F1J1A106A043	C 0.010UF, K, 10V	2	
C5620	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5621	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5622	F1J1A475A039	C 4.7UF, K, 10V	1	
C5623	ECJ0EB1H471K	C 470PF, K, 50V	1	
C5624	F1G1H221A459	E 220UF, 50V	1	
C5625	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5626,27	F1G1C104A081	C 0.10UF, K, 16V	2	
C5628,29	ECGRL0G680ER	C 68PF, J, 4V	2	
C5630,31	EEEHB1C470P	C 47PF, J, 16V	2	
C5632	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5636-41	F1G1C104A081	C 0.10UF, K, 16V	6	
C5643	F1G1C104A081	C 0.10UF, K, 16V	1	
C5644	F1G1A104A012	C 0.01UF, K, 10V	1	
C5646	F1H0J1050012	C 1UF, K, 16V	1	
C5647	EEEHB0G101R	C 100PF, J, 4V	1	
C5648	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C5649,50	F1H0J1050012	C 1UF, K, 16V	2	
C5652	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C5654	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C5655	EEEHB1V220P	E 22UF, 35V	1	
C5656	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5657	F1H1A225A051	E 22UF, 50V	1	
C5658	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5660	ECJ3XB1C106M	C 1.0UF, K, 16V	1	
C5661,62	F1J1H474A757	C 0.47UF, 50V	2	
C5711-16	ECJ2VF1C104Z	C 0.1UF, Z, 16V	6	
C5730	F1G1E103A059	ECJ0EB1C103K	1	
C5731	F2G0J470A019	E 47UF 6.3V	1	
C5765	ECJ0EB1A473K	C 0.047UF, K, 10V	1	
C5766,67	ECJ0EB1C103K	C 0.010UF, K, 16V	2	
C5869	F1G1A104A012	C 0.01UF, K, 10V	1	
C5870	F1G1H1020008	E 1000UF, 50V	1	
C5910	EEEHB1C470P	C 47PF, J, 16V	1	
C5911,12	F1J1A106A043	C 0.010UF, K, 10V	2	
C5914	ECJ0EB1A473K	C 0.047UF, K, 10V	1	
C5915	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5916,17	F1J1A106A043	C 0.010UF, K, 10V	2	
C5918	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5919	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5920	F1H0J4750004	C 4.7UF, K, 16V	1	
C5921	ECJ0EB1H471K	C 470PF, K, 50V	1	
C5922	F1G1H221A459	E 220UF, 50V	1	
C5923	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5924,25	F1G1C104A081	C 0.10UF, K, 16V	2	
C5926,27	ECGRL0G680ER	C 68PF, J, 4V	2	
C5928,29	EEEHB1C470P	C 47PF, J, 16V	2	
C5930	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5939	F1G1C104A081	C 0.10UF, K, 16V	1	
C6002	F1L2J562A022	C 5600UF, K,6.3V	1	
C6004	F1L2J562A022	C 5600UF, K,6.3V	1	
C6012-17	F2A2E201A183	E 210UF, 250V	6	
C6022	F1L2J562A022	C 5600UF, K,6.3V	1	
C6024	F1L2J562A022	C 5600UF, K,6.3V	1	
C6037	F1L1E4750004	C 4.7UF, 25V	1	
C6071	F1L2J1020001	C 1000UF, K,6.3V	1	
C6091	F1L2J1020001	C 1000UF, K,6.3V	1	
C6111,12	F2A2D221A022	E 220UF, 200V	2	
C6114	F0C2E225A218	E 0.022UF, 250V	1	
C6132	F1L1E4750004	C 4.7UF, 25V	1	
C6134,35	F1L1E4750004	C 4.7UF, 25V	2	
C6151	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6152-54	F1L1E4750004	C 4.7UF, 25V	3	
C6193-95	F1L1E4750004	C 4.7UF, 25V	3	
C6197	F1L1E4750004	C 4.7UF, 25V	1	
C6201-07	F0C2E225A218	E 0.022UF, 250V	7	
C6211,12	F1L1E4750004	C 4.7UF, 25V	2	
C6213	F2A1E102A220	E 1000UF, 25V	1	
C6216,17	F1L1E4750004	C 4.7UF, 25V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6223	F2A2E470A022	E 47UF, 250V	1	
C6241	F2A1A101A439	E 100UF, 10V	1	
C6242	F1H1C105A072	C 1UF, K, 16V	1	
C6243	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6246-48	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C6251	F1H1C105A072	C 1UF, K, 16V	1	
C6252	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6255,56	F2A2A471A072	E 470UF, 100V	2	
C6258-61	F2A2A471A072	E 470UF, 100V	4	
C6272,73	F2A1E221A487	E 220UF, 25V	2	
C6276	F1L1E4750004	C 4.7UF, 25V	1	
C6286-88	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C6401	F1L2J222A022	C 2200UF, K,6.3V	1	
C6403	F1L2J222A022	C 2200UF, K,6.3V	1	
C6405	F1L2J222A022	C 2200UF, K,6.3V	1	
C6411-16	F2A2E201A183	E 210UF, 250V	6	
C6423	F1L2J562A022	C 5600UF, K,6.3V	1	
C6425	F1L2J562A022	C 5600UF, K,6.3V	1	
C6471	F1L2J1020001	C 1000UF, K,6.3V	1	
C6472	ECJ2XC1H101J	C 100PF, J, 50V	1	
C6480	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6491	F1L2J1020001	C 1000UF, K,6.3V	1	
C6502	F1L1E4750004	C 4.7UF, 25V	1	
C6504,05	F1L1E4750004	C 4.7UF, 25V	2	
C6521	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6522	F1L1E4750004	C 4.7UF, 25V	1	
C6524,25	F1L1E4750004	C 4.7UF, 25V	2	
C6527	F1L1E4750004	C 4.7UF, 25V	1	
C6531-37	F0C2E225A218	E 0.022UF, 250V	7	
C6561	F2A1A101A439	E 100UF, 10V	1	
C6562	TCUY1C105ZFN	C 1UF, 16V	1	
C6563	F2A1A101A439	E 100UF, 10V	1	
C6564	TCUY1C105ZFN	C 1UF, 16V	1	
C6565,66	ECJ2VB1H103K	C 0.01UF, K, 50V	2	
C6567	TCUY1C105ZFN	C 1UF, 16V	1	
C6581	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6582	F1H1C105A072	C 1UF, K, 16V	1	
C6592	F2A1E221A487	E 220UF, 25V	1	
C6593	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6594	F2A1E221A487	E 220UF, 25V	1	
C6601	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6603,04	F1K2J102A014	C 1000UF, K,6.3V	2	
C6605,06	F1L2J562A022	C 5600UF, K,6.3V	2	
C6619	F1K2J471A014	C 470UF, K,6.3V	1	
C6641	ECQE2105RKB	P 1UF, 250V	1	
C6661,62	F1K2J102A014	C 1000UF, K,6.3V	2	
C6691	ECA2DHG101	E 100UF, 200V	1	
C6694	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6695	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6696-98	F1L1E4750004	C 4.7UF, 25V	3	
C6700	ECJ2XB1H392K	C 3900PF, K, 50V	1	
C6702	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6704-06	ECJ2XB1H104K	C 0.1UF, K, 50V	3	
C6708	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6709	F1L1E4750004	C 4.7UF, 25V	1	
C6710	F1K2J471A014	C 470UF, K,6.3V	1	
C6721	F2A1H101A493	E 100UF, 50V	1	
C6722	ECJ2XC1H101J	C 100PF, J, 50V	1	
C6723-25	F1L1E4750004	C 4.7UF, 25V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6726,27	F1H1C105A072	C 1UF, K, 16V	2	
C6752	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6753	F1L1E4750004	C 4.7UF, 25V	1	
C6755	F1L1E4750004	C 4.7UF, 25V	1	
C6771	F1H1C105A072	C 1UF, K, 16V	1	
C6772,73	F1L1E4750004	C 4.7UF, 25V	2	
C6775	F1L1E4750004	C 4.7UF, 25V	1	
C6777	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6791	F2A1E221A487	E 220UF, 25V	1	
C6795,96	EEUFC1E471	E 470UF, 25V	2	
C6799	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6800	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6801	F1L2E1040002	E 1000UF, 25V	1	
C6801	F2A2E470A022	E 47UF, 250V	1	
C6802	F1L2E1040002	E 1000UF, 25V	1	
C6803	ECKD3D221KBP	C 220PF, K, 2KV	1	
C6803	F1L2E1040002	E 1000UF, 25V	1	
C6804	F2A2E100A022	E 10UF, 250V	1	
C6805	ECJ2XC1H331J	C 330PF, J, 50V	1	
C6806	ECA2CM101	E 100UF, 160V	1	
C6807	F1H1C105A072	C 1UF, K, 16V	1	
C6807,08	F1L2E1040002	E 1000UF, 25V	2	
C6808 01	F1L2E1040002	E 1000UF, 25V	1	
C6809	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6809	F1L2E1040002	E 1000UF, 25V	1	
C6810	ECJ2VB1H471K	C 470PF, K, 50V	1	
C6810	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6811	ECJ2VB1H471K	C 470PF, K, 50V	1	
C6811,12	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6813	ECA2CM101	E 100UF, 160V	1	
C6813,14	F1L2E1040002	E 1000UF, 25V	2	
C6814	F2A1E221A487	E 220UF, 25V	1	
C6815	ECJ2XC1H222J	C 2200PF, J, 50V	1	
C6815	F1L2E1040002	E 1000UF, 25V	1	
C6816,17	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6818	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6819	F1L2E1040002	E 1000UF, 25V	1	
C6819	F2A1H101A493	E 100UF, 50V	1	
C6820	F1L1E4750004	C 4.7UF, 25V	1	
C6820	F1L2E1040002	E 1000UF, 25V	1	
C6821	F1L1E4750004	C 4.7UF, 25V	1	
C6821	F1L2E1040002	E 1000UF, 25V	1	
C6822	F2A2W470A017	E 47UF, 450V	1	
C6823	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6825	F1L1E4750004	C 4.7UF, 25V	1	
C6826,27	F1H1C105A072	C 1UF, K, 16V	2	
C6829	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6830	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6831	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6832	ECJ2XB1H392K	C 3900PF, K, 50V	1	
C6834	ECJ2VC1H561J	C 560PF, K, 50V	1	
C6835	ECA2CM101	E 100UF, 160V	1	
C6839	ECJ2VC1H561J	C 560PF, K, 50V	1	
C6841	ECA2DHG101	E 100UF, 200V	1	
C6842	ECA2CM101	E 100UF, 160V	1	
C6845	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6851-54	TCUY1C105ZFN	C 1UF, 16V	4	
C6856-59	TCUY1C105ZFN	C 1UF, 16V	4	
C6871	ECJ2VB1H821K	C 820PF, K, 50V	1	
C6871	F1H1C105A072	C 1UF, K, 16V	1	
C6872	ECJ2VB1H221K	C 220PF, K, 50V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6873	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6873	ECJ2VB1H821K	C 820PF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6874	ECA2DHG101	E 100UF, 200V	1	
C6875	ECJ2VB1H221K	C 220PF, K, 50V	1	
C6881	ECJ2VB1H821K	C 820PF, K, 50V	1	
C6882	ECJ2VB1H221K	C 220PF, K, 50V	1	
C6882	F2A1E470A454	E 47UF, 25V	1	
C6883	F1L1E4750004	C 4.7UF, 25V	1	
C6884,85	F1K2J102A014	C 1000UF, K,6.3V	2	
C6887	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6901-03	F1L2E1040002	E 1000UF, 25V	3	
C6907-09	F1L2E1040002	E 1000UF, 25V	3	
C6910,11	ECJ2VB1H471K	C 470PF, K, 50V	2	
C6913-15	F1L2E1040002	E 1000UF, 25V	3	
C6919-21	F1L2E1040002	E 1000UF, 25V	3	
C6932	ECJ2VC1H561J	C 560PF, K, 50V	1	
C6937	ECJ2VC1H561J	C 560PF, K, 50V	1	
C6941	ECJ2VB1H821K	C 820PF, K, 50V	1	
C6942	ECJ2VB1H221K	C 220PF, K, 50V	1	
C6951	ECJ2VB1H821K	C 820PF, K, 50V	1	
C6953	ECJ2VB1H221K	C 220PF, K, 50V	1	
C6958	TCUY1C105ZFN	C 1UF, 16V	1	
C6966	ECJ2VB1H821K	C 820PF, K, 50V	1	
C6968	ECJ2VB1H221K	C 220PF, K, 50V	1	
C6972-75	TCUY1C105ZFN	C 1UF, 16V	4	
C6979-81	TCUY1C105ZFN	C 1UF, 16V	3	
C7101,02	F1H1C105A072	C 1UF, K, 16V	2	
C7106	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7110,11	F1H1C105A072	C 1UF, K, 16V	2	
C7113	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7120	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7129,30	F1H1C105A072	C 1UF, K, 16V	2	
C7132	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7139,40	F1H1C105A072	C 1UF, K, 16V	2	
C7147,48	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7151	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7153	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7159,60	F1H1C105A072	C 1UF, K, 16V	2	
C7162	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7167-69	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C7182	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7186	F1H1C105A072	C 1UF, K, 16V	1	
C7190	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7191-95	F1H1C105A072	C 1UF, K, 16V	5	
C7196-99	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C7202	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7204	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7205,06	F1H1C105A072	C 1UF, K, 16V	2	
C7212	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7214	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7218	F1H1C105A072	C 1UF, K, 16V	1	
C7220	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7226	F1H1C105A072	C 1UF, K, 16V	1	
C7228	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7236	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7237,38	F1H1C105A072	C 1UF, K, 16V	2	
C7247,48	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7250,51	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7258,59	F1H1C105A072	C 1UF, K, 16V	2	
C7270	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7274	F1H1C105A072	C 1UF, K, 16V	1	
C7278	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7279-83	F1H1C105A072	C 1UF, K, 16V	5	
C7284-86	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C7301	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7305,06	F1H1C105A072	C 1UF, K, 16V	2	
C7311,12	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7318,19	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7324,25	F1H1C105A072	C 1UF, K, 16V	2	
C7334-37	F1H1C105A072	C 1UF, K, 16V	4	
C7340,41	F1H1C105A072	C 1UF, K, 16V	2	
C7346,47	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7352	F1K2A105A006	C 1UF, Z, 50V	1	PAVCA
C7355	F1H1C105A072	C 1UF, K, 16V	1	
C7362,63	F1H1C105A072	C 1UF, K, 16V	2	
C7365	F1H1C105A072	C 1UF, K, 16V	1	
C7367,68	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7373	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7381	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7405	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7407	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7419,20	F1H1C105A072	C 1UF, K, 16V	2	
C7427,28	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7432,33	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7438,39	F1H1C105A072	C 1UF, K, 16V	2	
C7448-51	F1H1C105A072	C 1UF, K, 16V	4	
C7455	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7462,63	F1H1C105A072	C 1UF, K, 16V	2	
C7470,71	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7475,76	F1K2A105A006	C 1UF, Z, 50V	2	PAVCA
C7481,82	F1H1C105A072	C 1UF, K, 16V	2	
C7491-94	F1H1C105A072	C 1UF, K, 16V	4	
C7701	F1G1H330A565	E 33UF, 50V	1	
C7702	F2G0G470A007	E 47UF 6.3V	1	
C7703	F1G1H330A565	E 33UF, 50V	1	
C7705	F1G1C104A083	C 0.10UF, K, 16V	1	
C7708,09	F1G1C104A083	C 0.10UF, K, 16V	2	
C7726,27	F1G1H330A565	E 33UF, 50V	2	
C7729,30	F1J0J106A020	C 0.010UF, K, 16V	2	
C8001	F1G1A104A012	C 0.01UF, K, 10V	1	
C8002-05	ECJ1VB0J105K	C 1UF, K, 6.3V	4	
C8006-08	F1G1A104A012	C 0.01UF, K, 10V	3	
C8009,10	F1J1A106A043	C 0.010UF, K, 10V	2	
C8011-14	F1G1A104A012	C 0.01UF, K, 10V	4	
C8015,16	ECJ1VB0J105K	C 1UF, K, 6.3V	2	
C8017	F1J1A106A043	C 0.010UF, K, 10V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8018-21	F1G1A104A012	C 0.01UF, K, 10V	4	
C8022	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
C8023,24	F1J1A106A043	C 0.010UF, K, 10V	2	
C8025-29	F1G1A104A012	C 0.01UF, K, 10V	5	
C8030,31	ECJ1VB0J105K	C 1UF, K, 6.3V	2	
C8032	F1J1A106A043	C 0.010UF, K, 10V	1	
C8033,34	F1G1A104A012	C 0.01UF, K, 10V	2	
C8035,36	F1J1A106A043	C 0.010UF, K, 10V	2	
C8037-41	F1G1A104A012	C 0.01UF, K, 10V	5	
C8042	ECGRL0G680ER	C 68PF, J, 4V	1	
C8043-51	F1G1A104A012	C 0.01UF, K, 10V	9	
C8052	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
C8053	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C8056,57	F1G1A104A012	C 0.01UF, K, 10V	2	
C8058	F1J1A106A043	C 0.010UF, K, 10V	1	
C8067	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C8068	F1G1A104A012	C 0.01UF, K, 10V	1	
C8070-74	F1G1A104A012	C 0.01UF, K, 10V	5	
C8075	F1J0G2260001	C 0.001UF, 6.3V	1	
C8076-80	F1G1C104A081	C 0.10UF, K, 16V	5	
C8300	F1G1A104A012	C 0.01UF, K, 10V	1	
C8301	F1G1H1020008	E 1000UF, 50V	1	
C8302	F1G1A104A012	C 0.01UF, K, 10V	1	
C8303	F1G1H103A573	E 0.01UF, 50V	1	
C8304,05	F1G1H820A565	E 82UF, 50V	2	
C8306	F1G1H100A565	C 100PF, K, 50V	1	
C8307	F1G1A104A012	C 0.01UF, K, 10V	1	
C8309,10	EEEHB0J221UP	C 220PF, J, 6.3V	2	
C8311	F2G1V220A020	E 22UF, 35V	1	
C8312	EEEHB0J221UP	C 220PF, J, 6.3V	1	
C8313	F1G1H1020008	E 1000UF, 50V	1	
C8320,21	F1G1H1020008	E 1000UF, 50V	2	
C8324	F1G1H270A565	E 27UF, 50V	1	
C8327,28	F1G1H120A565	E 12UF, 50V	2	
C8329	F1G1H270A565	E 27UF, 50V	1	
C8330,31	F1G1H101A565	C 100PF, K, 50V	2	
C8333,34	F1G1H470A565	E 47UF, 50V	2	
C8335,36	ECJ0EB1C103K	C 0.010UF, K, 16V	2	
C8337,38	F1G1H150A565	E 15UF, 50V	2	
C8339-42	F1G1A104A012	C 0.01UF, K, 10V	4	
C8344-49	F1G1A104A012	C 0.01UF, K, 10V	6	
C8350	F1J1A106A043	C 0.010UF, K, 10V	1	
C8351-57	F1G1A104A012	C 0.01UF, K, 10V	7	
C8359-61	F1G1A104A012	C 0.01UF, K, 10V	3	
C8363-65	F1G1A104A012	C 0.01UF, K, 10V	3	
C8367-71	F1G1A104A012	C 0.01UF, K, 10V	5	
C8372	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
C8374-76	F1J1A106A043	C 0.010UF, K, 10V	3	
C8377-85	F1G1A104A012	C 0.01UF, K, 10V	9	
C8386	F1J1A106A043	C 0.010UF, K, 10V	1	
C8387	F1G1H1020008	E 1000UF, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8388	ECJ1XB1H104K	C 10PF, J, 50V	1	
C8394	F1G1A104A012	C 0.01UF, K, 10V	1	
C8396	F1J1A106A043	C 0.010UF, K, 10V	1	
C8397	F1G1A104A012	C 0.01UF, K, 10V	1	
C8500,01	F1G1A104A012	C 0.01UF, K, 10V	2	
C8506	F1G1A104A012	C 0.01UF, K, 10V	1	
C8513	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C8517	F1G1A104A012	C 0.01UF, K, 10V	1	
C8519	ECJ0EB1C103K	C 0.010UF, K, 16V	1	
C9028,29	F1J1A106A043	C 0.010UF, K, 10V	2	
C9033,34	F1G1C104A083	C 0.10UF, K, 16V	2	
C9035,36	F1J1A106A043	C 0.010UF, K, 10V	2	
C9037	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9039	F1J1A106A043	C 0.010UF, K, 10V	1	
C9040	F1G1C104A083	C 0.10UF, K, 16V	1	
C9044	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9045-53	F1G1C104A083	C 0.10UF, K, 16V	9	
C9055-57	F1G1C104A083	C 0.10UF, K, 16V	3	
C9058	F1J1A106A043	C 0.010UF, K, 10V	1	
C9059-83	F1G1C104A077	C 0.10UF, K, 16V	25	
C9084	EEFCD0G560ER	C 56UF, K, 4V	1	
C9085-99	F1G1C104A077	C 0.10UF, K, 16V	15	
C9101-10	F1G1C104A077	C 0.10UF, K, 16V	10	
C9111	EEFCD0G560ER	C 56UF, K, 4V	1	
C9112	F1G1C104A077	C 0.10UF, K, 16V	1	
C9113	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9114	F1G1C104A083	C 0.10UF, K, 16V	1	
C9300-25	F1G1C104A077	C 0.10UF, K, 16V	26	
C9355-59	F1G1C104A077	C 0.10UF, K, 16V	5	
C9360-64	F1J1A106A043	C 0.010UF, K, 10V	5	
C9365	EEFCD0G560ER	C 56UF, K, 4V	1	
C9368	F1G1C104A077	C 0.10UF, K, 16V	1	
C9369-74	F1G1E1030005	C 0.01UF, Z, 25V	6	
C9442-69	F1G1C104A077	C 0.10UF, K, 16V	28	
C9496	F1G1C104A077	C 0.10UF, K, 16V	1	
C9500	F1G1C104A077	C 0.10UF, K, 16V	1	
C9501	F1J1A106A043	C 0.010UF, K, 10V	1	
C9505	F1G1C104A077	C 0.10UF, K, 16V	1	
C9508	F1G1C104A077	C 0.10UF, K, 16V	1	
C9509,10	F1G1H120A565	E 12UF, 50V	2	
C9511	F1J1A106A043	C 0.010UF, K, 10V	1	
C9512,13	F1G1C104A077	C 0.10UF, K, 16V	2	
C9515	F1G1C104A083	C 0.10UF, K, 16V	1	
C9516-25	F1G1C104A077	C 0.10UF, K, 16V	10	
C9526	F1J1A106A043	C 0.010UF, K, 10V	1	
C9527,28	F1G1C104A077	C 0.10UF, K, 16V	2	
C9531	F1J1A106A043	C 0.010UF, K, 10V	1	
C9533	F1G1C104A077	C 0.10UF, K, 16V	1	
C9534-38	F1J1A106A043	C 0.010UF, K, 10V	5	
C9539	EEFCD0G560ER	C 56UF, K, 4V	1	
C9542	F1G1C104A077	C 0.10UF, K, 16V	1	
C9543	F1J1A106A043	C 0.010UF, K, 10V	1	
C9544	F1G1C104A083	C 0.10UF, K, 16V	1	
C9559-61	F1G1C104A077	C 0.10UF, K, 16V	3	
C9608	F1G1C104A083	C 0.10UF, K, 16V	1	
C9609	F1J1A106A043	C 0.010UF, K, 10V	1	
C9610	F1G1C104A083	C 0.10UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9823	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9826	F1G1C104A083	C 0.10UF, K, 16V	1	
C9830-32	F1J1A106A043	C 0.010UF, K, 10V	3	
C9837	F1J1A106A043	C 0.010UF, K, 10V	1	
C9838	F1G1C104A083	C 0.10UF, K, 16V	1	
C9840-43	F1G1C104A083	C 0.10UF, K, 16V	4	
C9844	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9845,46	F1G1C104A083	C 0.10UF, K, 16V	2	
C9858	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9859	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9860	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9861,62	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9863	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9864	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C9865,66	ECGRL0G680ER	C 68PF, J, 4V	2	
C9867-72	ECJ3YB1E106M	C 10 UF, K, 25V	6	
C9873	ECGRL0G680ER	C 68PF, J, 4V	1	
C9874	F1G1H680A565	E 68UF, 50V	1	
C9877	F1G1H680A565	E 68UF, 50V	1	
C9878	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9879,80	F1G1E822A086	C 8200UF, Z, 25V	2	
C9881	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9882	F1G1E822A086	C 8200UF, Z, 25V	1	
C9883	F1G1H101A565	C 100PF, K, 50V	1	
C9884,85	F1G1H1020008	E 1000UF, 50V	2	
C9886,87	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9888	F1G1H361A565	E 360UF, 50V	1	
C9889	F1G1C104A083	C 0.10UF, K, 16V	1	
C9890	F1G1H101A565	C 100PF, K, 50V	1	
CA1-15	K1MN68BA0052	68P CONNECTOR	15	
CB1-15	K1MN68BA0052	68P CONNECTOR	15	
D3	K1KA30B00078	30P CONNECTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D9	K1KA07A00292	7P CONNECTOR	1	
D20	K1KA31B00005	31P CONNECTOR	1	
D25	K1KA20B00155	20P CONNECTOR	1	
D31-36	K1MN68BA0251	68P CONNECTOR	6	
D851,52	MA2J11100L	DIODE	2	
D854	MA2J11100L	DIODE	1	
D857	MA2J11100L	DIODE	1	
D859	B0JCME000037	DIODE	1	
D860	MAZ81100ML	ZENER DIODE	1	
D861	MA2J11100L	DIODE	1	
D862	MA8033L	ZENER DIODE	1	
D1107	MA704A	DIODE	1	
D1111-13	MA2J11100L	DIODE	3	
D1120	MA2J72800L	ZENER DIODE	1	
D2059	MA2J11100L	DIODE	1	
D2062-64	MA2J11100L	DIODE	3	
D2066	MA2J11100L	DIODE	1	
D2301,02	MA2J11100L	DIODE	2	
D2303	MA3056HTX		1	
D2304	MA2J11100L	DIODE	1	
D2512	MA8043LTX	ZENER DIODE	1	
D2520A	LN1271RAL-TR	LED	1	
D2524	MAZ80560ML	ZENER DIODE	1	
D3005	K7AAAY000003	PHOTO LINK	1	
D3047-52	MA8140M	ZENER DIODE	6	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D3060-80	MA8140M	ZENER DIODE	21	
D3085-89	MA8140M	ZENER DIODE	5	
D3500	B0BC01000035	ZENER DIODE	1	
D3502	MA2J11100L	DIODE	1	
D3503,04	MA3X152A0L	DIODE	2	
D3505	MA8120M	ZENER DIODE	1	
D3506	MAZ80680LL	ZENER DIODE	1	
D3507	MA2J11100L	DIODE	1	
D3514	B0BC6R600005	ZENER DIODE	1	
D3515	B0BC01100001	ZENER DIODE	1	
D3702	MA8140M	ZENER DIODE	1	
D4500-12	EZAEG2A50AX	DIODE	13	
D4513	MA3056MTX	ZENER DIODE	1	
D4514	EZAEG2A50AX	DIODE	1	
D4515	MA3056MTX	ZENER DIODE	1	
D4516-23	EZAEG2A50AX	DIODE	8	
D4524-27	B0HCMM000014	DIODE	4	
D4528	EZAEG2A50AX	DIODE	1	
D4532	B0HCMM000014	DIODE	1	
D5601,02	MA22D3900L	DIODE	2	
D5603,04	B0JCDD000002	DIODE	2	
D5605	MA22D3900L	DIODE	1	
D5606	B0JCDD000002	DIODE	1	
D5607,08	MA8024LTX	ZENER DIODE	2	
D5609	B0HCMM000014	DIODE	1	
D5610	MA3X78900L	ZENER DIODE	1	
D5611	B0BC03900015	ZENER DIODE	1	
D5612	MA8056LTX	ZENER DIODE	1	
D5613,14	MA2J11100L	DIODE	2	
D5901,02	MA22D3900L	DIODE	2	
D5903,04	B0JCDD000002	DIODE	2	
D5907,08	B0BC4R700007	ZENER DIODE	2	
D6001,02	B0HBSN000008	DIODE	2	
D6021-23	B0HBSN000008	DIODE	3	
D6024,25	B0ECHP000003	DIODE	2	
D6032	MA2J11100L	DIODE	1	
D6061-64	B0HBSN000008	DIODE	4	
D6071,72	B0HBSN000008	DIODE	2	
D6081-83	B0HBSN000008	DIODE	3	
D6091	B0HBSN000008	DIODE	1	
D6092	MA3DF40000LZ	ZENER DIODE	1	
D6101-04	B0JCME000037	DIODE	4	
D6131,32	B0ECHP000003	DIODE	2	
D6151-53	B0ECHP000003	DIODE	3	
D6191,92	B0ECHP000003	DIODE	2	
D6211	B0JCME000037	DIODE	1	
D6221	B0HDRP000003	DIODE	1	
D6222,23	MA2J11100L	DIODE	2	
D6225	B0ECHP000003	DIODE	1	
D6253	LNJ301MPUJA	LED	1	
D6255	MA2J11100L	DIODE	1	
D6273	MA2J11100L	DIODE	1	
D6275	MA8068M	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6276-78	MA3X152A0L	DIODE	3	
D6280	MAZ80510LL	ZENER DIODE	1	
D6283	B0JCME000037	DIODE	1	
D6401-03	B0HBSN000008	DIODE	3	
D6421-23	B0HASR000013	DIODE	3	
D6442	B0ECKP000047	DIODE	1	
D6452	B0HCKS000002	DIODE	1	
D6461-64	B0HBSN000008	DIODE	4	
D6466	MA2J11100L	DIODE	1	
D6471,72	B0HBSN000008	DIODE	2	
D6475-77	MA2J11100L	DIODE	3	
D6478,79	B0HCKS000002	DIODE	2	
D6480	MA2J11100L	DIODE	1	
D6481-83	B0HBSN000008	DIODE	3	
D6491	B0HASR000013	DIODE	1	
D6497	B0HCKS000002	DIODE	1	
D6501,02	B0ECKP000047	DIODE	2	
D6521-23	B0ECKP000047	DIODE	3	
D6583	LNJ301MPUJA	LED	1	
D6585	MA2J11100L	DIODE	1	
D6601	B0JCME000037	DIODE	1	
D6604	MA2J11100L	DIODE	1	
D6605	MAZ80510LL	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607,08	MA2J11100L	DIODE	2	
D6609	B0HCMM000014	DIODE	1	
D6610	MA2J11100L	DIODE	1	
D6611	B0ECKP000047	DIODE	1	
D6619	B0HCKS000002	DIODE	1	
D6622-27	B0HDSN000003	DIODE	6	
D6631-33	MA8220-M	ZENER DIODE	3	
D6641	B0HCKS000002	DIODE	1	
D6642	B0ECKP000047	DIODE	1	
D6643	B0JCME000037	DIODE	1	
D6644	B0HCKS000002	DIODE	1	
D6645	B0JCME000037	DIODE	1	
D6661	MA2J11100L	DIODE	1	
D6662-64	MA8330M	ZENER DIODE	3	
D6665	MAZ80510LL	ZENER DIODE	1	
D6666,67	MA2J11100L	DIODE	2	
D6671	B0JCME000037	DIODE	1	
D6672	MA2J11100L	DIODE	1	
D6673-76	B0JCME000037	DIODE	4	
D6680,81	B0JCME000037	DIODE	2	
D6690	B0JCME000037	DIODE	1	
D6691,92	MA8200M	ZENER DIODE	2	
D6693,94	B0JCME000037	DIODE	2	
D6695	MA2J11100L	DIODE	1	
D6697	B0ECKP000047	DIODE	1	
D6698	B0HCKS000002	DIODE	1	
D6699	B0HDRP000003	DIODE	1	
D6701,02	MA8056H	ZENER DIODE	2	
D6704	B0ECKP000047	DIODE	1	
D6705	MAZ81500ML	ZENER DIODE	1	
D6706	B0BC027A0234	ZENER DIODE	1	
D6707,08	B0ECKP000047	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6721	B0HCKS000002	DIODE	1	
D6722	MA2J11100L	DIODE	1	
D6725	MA2J11100L	DIODE	1	
D6726-33	MA8056H	ZENER DIODE	8	
D6742,43	MA2J11100L	DIODE	2	
D6761	B0JCME000037	DIODE	1	
D6764-66	B0HCKS000002	DIODE	3	
D6767	B0ECKP000047	DIODE	1	
D6773	B0HCKS000002	DIODE	1	
D6792	MA8200M	ZENER DIODE	1	
D6794	MA8056H	ZENER DIODE	1	
D6795	B0HCKS000002	DIODE	1	
D6799	MA2J11100L	DIODE	1	
D6800	MA8056H	ZENER DIODE	1	
D6801	B0JCME000037	DIODE	1	
D6802	B0BC01000044	ZENER DIODE	1	
D6804	B0HCKS000002	DIODE	1	
D6805	MA8240MTX	ZENER DIODE	1	
D6806	B0HCKS000002	DIODE	1	
D6807	B0ECKP000047	DIODE	1	
D6809	B0HCMM000014	DIODE	1	
D6810	MA2J11100L	DIODE	1	
D6811-17	MA8056H	ZENER DIODE	7	
D6818	MAZ80510LL	ZENER DIODE	1	
D6821-23	MA2J11100L	DIODE	3	
D6824,25	MA8330M	ZENER DIODE	2	
D6826	MA2J11100L	DIODE	1	
D6827,28	MA8330M	ZENER DIODE	2	
D6829	MA2J11100L	DIODE	1	
D6830	MA8056H	ZENER DIODE	1	
D6831,32	MA8330M	ZENER DIODE	2	
D6833	MAZ80510LL	ZENER DIODE	1	
D6834	MA2J11100L	DIODE	1	
D6836	MAZ81500ML	ZENER DIODE	1	
D6837	MA2J11100L	DIODE	1	
D6838	B0BC027A0234	ZENER DIODE	1	
D6839	B0ECKP000047	DIODE	1	
D6840	MA8062L	ZENER DIODE	1	
D6841	B0HCKS000002	DIODE	1	
D6842,43	MA2J11100L	DIODE	2	
D6844	B0ECKP000047	DIODE	1	
D6845	MA2J11100L	DIODE	1	
D6846,47	MA8200M	ZENER DIODE	2	
D6859,60	B0HCKS000002	DIODE	2	
D6861	MA8056H	ZENER DIODE	1	
D6862	B0HCMM000013	DIODE	1	
D6863,64	B0JCME000037	DIODE	2	
D6866	MA8056H	ZENER DIODE	1	
D6867	B0HCMM000013	DIODE	1	
D6871	B0HCMM000013	DIODE	1	
D6871	MAZ80510LL	ZENER DIODE	1	
D6872	B0HCMM000013	DIODE	1	
D6872	MA2J11100L	DIODE	1	
D6873	B0HCKS000002	DIODE	1	
D6878-80	B0ECKP000047	DIODE	3	
D6881	B0HCKS000002	DIODE	1	
D6882	MAZ80510LL	ZENER DIODE	1	
D6883	MAZ80510ML	ZENER DIODE	1	
D6884	MA2J11100L	DIODE	1	
D6961	B0HCMM000013	DIODE	1	
D6962	MA8056H	ZENER DIODE	1	
D6963,64	B0JCME000037	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6965	B0HCMM000013	DIODE	1	
D6966	MA8056H	ZENER DIODE	1	
D6967,68	B0HCMM000013	DIODE	2	
D7101-16	B0ECKM000038	B0HCMM000014	16	PAVCA
D7201-14	B0ECKM000038	B0HCMM000014	14	PAVCA
D7301-14	B0ECKM000038	B0HCMM000014	14	PAVCA
D7401-16	B0ECKM000038	B0HCMM000014	16	PAVCA
D9017-19	MA3033	ZENER DIODE	3	
D9020	B0JCCE000008	DIODE	1	
D9110	B0JCGD000002	DIODE	1	
D9300-05	B0JCCE000008	DIODE	6	
D9802	B0JCCE000008	DIODE	1	
D9804	B0JCCE000008	DIODE	1	
D9811	B0JCCE000008	DIODE	1	
D9812	MA22D3900L	DIODE	1	
D9813-15	B0JCGD000002	DIODE	3	
D9816,17	MA22D3900L	DIODE	2	
D9818,19	B0JCCE000008	DIODE	2	
DG1	K1KA09A00220	9P CONNECTOR	1	
DG2	K1KB23A00003	23P CONNECTOR	1	
DG3	K1KY80A00011	80P CONNECTOR	1	
DG4	K1KA07AA0266	7P CONNECTOR	1	
DG5	K1KB31AA0140	31P CONNECTOR	1	
DG17	K1KA30AA0009	30P CONNECTOR	1	
DG18	K1KA11AA0715	11P CONNECTOR	1	
DG20	K1KA20AA0009	20P CONNECTOR	1	
DG35	K1KA30AA0009	30P CONNECTOR	1	
DG52	K1KA14A00248	14P CONNECTOR	1	
FL3042	J0HAAB000036	LC FILTER	1	
FL3710-12	J0MAB0000199	LC FILTER	3	
FL4000	J0HAAB000036	LC FILTER	1	
FL4002-04	J0HAAB000036	LC FILTER	3	
FL5015-20	J0JAD0000028	CHIP INDUCTOR	6	
FL7101	J0HABH000013	LC FILTER	1	
FL7201	J0HABH000013	LC FILTER	1	
FL7301	J0HABH000013	LC FILTER	1	
FL7401	J0HABH000013	LC FILTER	1	
FL8308	J0MAB0000164	LC FILTER	1	
FL8500,01	J0HAAA000013	LC FILTER	2	
FL9000	F1J1E104A148	C 0.10UF, Z, 25V	1	
FL9302-11	F1J1E104A148	C 0.10UF, Z, 25V	10	
FL9501,02	F1J1E104A148	C 0.10UF, Z, 25V	2	
FL9504	F1J1E104A148	C 0.10UF, Z, 25V	1	
FL9800	F1J1E104A148	C 0.10UF, Z, 25V	1	
FL9803	F1J1E104A148	C 0.10UF, Z, 25V	1	
FL9805-07	F1J1E104A148	C 0.10UF, Z, 25V	3	
G51	K1KA12A00317	12P CONNECTOR	1	
GS52	K1KA13A00152	13P CONNECTOR	1	
H2	K1KA23A00003	23P CONNECTOR	1	
H3	K1KY80A00011	80P CONNECTOR	1	
H5	K1KA11AA0194	11P CONNECTOR	1	
H10	K1KA06A00452	6P CONNECTOR	1	
H12	K1KA04AA0192	4P CONNECTOR	1	
H30	K1KA05AA0193	5P CONNECTOR	1	
H51	K1KA11AA0194	11P CONNECTOR	1	
IC850	C0DBAZF00003	IC	1	
IC1100	MNZSFD7GP42	IC	1	
IC1101	TVRP388S	IC	1	PAVCA
IC1108	C0EBF0000354	IC	1	
IC2008	C0CBCBE00001	IC	1	
IC2011	C0ABBB000230	IC	1	
IC2106	C1AB00002747	IC	1	
IC2107	C0DBFFD00003	IC	1	
IC2301	C1AB00002730	IC	1	
IC2303	C0DBGYY00202	IC	1	
IC3001	AN15876A-VT	IC	1	
IC3101	AN15862A-VT	IC	1	
IC3500	EHMDD9851	LINEAR IC	1	
IC4054	C1ZBZ0003577	IC	1	
IC4500	TVRP225S	IC	1	PAVCA
IC4501	TVRP224S	IC	1	PAVCA
IC4504	C3EBEY000009	IC	1	
IC4506	C0DBGGF00001	IC	1	
IC4508,09	C0CBCAD00082	IC	2	
IC4510	C1AB00002753	IC	1	
IC5000	TVRP341	IC	1	
IC5001	C0CBCBC00190	IC	1	
IC5002	C0CBCAC00282	IC	1	
IC5006	C0CBCAF00031	IC	1	
IC5008	C0CBCAF00023	IC	1	
IC5009	C0CBCAF00031	IC	1	
IC5010	TVRP703	IC	1	PAVCA
IC5012	C0CBCBC00190	IC	1	
IC5013	C0EBD0000221	IC	1	
IC5100	MN84525	IC	1	
IC5102	C3ABQJ000055	IC	1	
IC5105	C1ZBZ0003668	IC	1	
IC5600	C0DBAYY00273	IC	1	
IC5601	C0DBAYY00274	IC	1	
IC5602	C0EBF0000335	IC	1	
IC5604	C0CBCBD00043	IC	1	
IC5605	C0DBAJB00004	IC	1	
IC5704	C0EBM0000026	IC	1	
IC5901	C0DBAYY00274	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0001324	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	C0DBEMC00043	IC	1	
IC6241	C0JBAZ000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6471	C0DBEKA00003	IC	1	
IC6472	C0JBAA000377	IC	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0001324	IC	1	
IC6561-63	C0JBAZ000005	IC	3	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601	C0ZBZ0001325	IC	1	
IC6671,72	C0ZBZ0001325	IC	2	
IC6721,22	C0JBAZ000994	IC	2	
IC6724,25	C0CBADC00072	IC	2	
IC6752	C0ZBZ0001324	IC	1	
IC6771	C0CBADC00072	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773,74	C0JBAA000377	IC	2	
IC6791	EHMDD9863	LINEAR IC	1	
IC6792	C0DBEKA00003	IC	1	
IC6793,94	C0JBAZ000994	IC	2	
IC6795,96	C0CBADC00072	IC	2	
IC6797	NJM2903M	INTEGRATED CIRCUIT	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6801	C0DBEMC00043	IC	1	
IC6803	C5HABZZ00165	IC	1	
IC6821	C0DBEMC00043	IC	1	
IC6841	C0DBEMC00043	IC	1	
IC6861-64	AN16177A-VT	IC	4	
IC6871	AN16177A-VT	IC	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6872,73	AN16177A-VT	IC	2	
IC6873	C0ZBZ0001325	IC	1	
IC6874	AN16177A-VT	IC	1	
IC6961-64	AN16177A-VT	IC	4	
IC6971-74	AN16177A-VT	IC	4	
IC7101	C0JBAZ001120	IC	1	
IC7105-12	C0JBAZ001120	IC	8	
IC7115	C0JBAZ001120	IC	1	
IC7201	C0JBAZ001120	IC	1	
IC7205-11	C0JBAZ001120	IC	7	
IC7301	C0JBAZ001120	IC	1	
IC7305,06	C0JBAZ001120	IC	2	
IC7309	C0JBAZ001120	IC	1	
IC7401	C0JBAZ001120	IC	1	
IC7405,06	C0JBAZ001120	IC	2	
IC8001	MN2WS0039A	IC	1	
IC8002,03	C3ABSY000014	IC	2	
IC8004	C0ZBZ0001030	IC	1	
IC8302	MN88435	IC	1	PAVCA
IC8502	TVRP230S	IC	1	PAVCA
IC8503	TVRP611S	IC	1	PAVCA
IC9001	TVRP639	IC	1	
IC9002	C1ZBZ0003577	IC	1	
IC9003	MNZSFC9GPF2	IC	1	
IC9007	TVRP714	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9013	C0JBAZ002060	IC	1	
IC9200	C1ZBZ0003566	IC	1	
IC9300	MN84524	IC	1	
IC9301	C3ABQJ000051	IC	1	
IC9304	TVRP419-2	IC	1	
IC9400	MN84524	IC	1	
IC9401	C3ABQJ000051	IC	1	
IC9402	C0JBAZ002614	IC	1	
IC9500	C1ZBZ0003575	IC	1	
IC9504	C0JBAZ001120	IC	1	
IC9603	C0JBAZ002636	IC	1	
IC9802,03	C0JBAZ001120	IC	2	
IC9805	C0DBAYY00274	IC	1	
IC9806	C0DBAYY00273	IC	1	
IC9807	C0JBAZ001120	IC	1	
JA1-A5	ERJ6GEY0R00V	M 0 OHM, 1/10W	5	
JK3000	K1U939A00003	TERMINAL BOARD	1	PAVCA
JK3002	K2HA204A0041	JACK	1	
JK3701B	K4AK13B00002	JACK	1	PAVCA
JK4500,01	K1FY119D0002	CONNECTOR	2	
JK7701	K1NA09E00088	9P CONNECTOR	1	
JS2042	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS2088	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
JS2301-05	ERJ6GEY0R00V	M 0 OHM, 1/10W	5	
JS3001-08	ERJ6GEY0R00V	M 0 OHM, 1/10W	8	
JS3011-16	ERJ6GEY0R00V	M 0 OHM, 1/10W	6	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS3051-56	ERJ6GEY0R00V	M 0 OHM, 1/10W	6	
JS4010	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
JS4015	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
JS4501	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
JS5000-09	D0YAR0000007	M 0.0 OHM, J,0.063W	10	
JS5020-23	D0YAR0000007	M 0.0 OHM, J,0.063W	4	
JS7701	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
K1	K1KA07BA0061	7P CONNECTOR	1	
K2	K1KA02BA0061	2P CONNECTOR	1	
L852	G0C101KA0167	PEAKING COIL	1	
L1100	J0JHC0000078	CHIP INDUCTOR	1	
L2021	J0JHC0000078	CHIP INDUCTOR	1	
L2029	J0JCC0000077	CHIP INDUCTOR	1	
L2040	J0JHC0000045	CHIP INDUCTOR	1	
L2300	G1C100M00044	INDUCTION COIL	1	
L2302	G1C100M00044	INDUCTION COIL	1	
L2304	G1C100M00044	INDUCTION COIL	1	
L2306	G1C100M00044	INDUCTION COIL	1	
L2308	J0JJC0000011	CHIP INDUCTOR	1	
L2310	J0JJC0000011	CHIP INDUCTOR	1	
L3001	J0JHC0000078	CHIP INDUCTOR	1	
L3101	J0JHC0000078	CHIP INDUCTOR	1	
L3500	TALL08N2R7MA	INDUCTION COIL	1	
L3501,02	G0C150MA0056	PEAKING COIL	2	
L3506	G0A100GA0013	CHOKE COIL	1	
L3507	TALL08N2R7MA	INDUCTION COIL	1	
L3511	G1C3R3ZA0083	INDUCTION COIL	1	
L4500-07	J0JHC0000078	CHIP INDUCTOR	8	
L4511	J0JHC0000078	CHIP INDUCTOR	1	
L4512	J0JCC0000077	CHIP INDUCTOR	1	
L4515,16	J0JHC0000078	CHIP INDUCTOR	2	
L4518	J0JHC0000078	CHIP INDUCTOR	1	
L4520,21	J0JHC0000078	CHIP INDUCTOR	2	
L4524	J0JHC0000078	CHIP INDUCTOR	1	
L5000	J0JHC0000078	CHIP INDUCTOR	1	
L5001	TALC168T100K	CHIP INDUCTOR COIL	1	
L5002,03	J0JCC0000077	CHIP INDUCTOR	2	
L5004-06	J0JHC0000078	CHIP INDUCTOR	3	
L5015	J0JHC0000078	CHIP INDUCTOR	1	
L5017,18	J0JHC0000078	CHIP INDUCTOR	2	
L5019,20	J0JCC0000077	CHIP INDUCTOR	2	
L5021	J0JCC0000241	CHIP INDUCTOR	1	
L5600,01	G1C2R2ZA0083	INDUCTION COIL	2	
L5602	G1C3R3ZA0083	INDUCTION COIL	1	
L5604	G1C100MA0077	INDUCTION COIL	1	
L5605	J0JCC0000241	CHIP INDUCTOR	1	
L5606	G1C100MA0077	INDUCTION COIL	1	
L5608,09	J0JHC0000078	CHIP INDUCTOR	2	
L5610	G0A2R7ZA0021	CHOKE COIL	1	
L5611	G1C100MA0072	INDUCTION COIL	1	
L5612	G1C470MA0077	INDUCTION COIL	1	
L5693	J0JCC0000241	CHIP INDUCTOR	1	
L5900	G1C2R2ZA0083	INDUCTION COIL	1	
L5901	G1C3R3ZA0083	INDUCTION COIL	1	
L5904	G1C100MA0077	INDUCTION COIL	1	
L5905	J0JCC0000241	CHIP INDUCTOR	1	
L6000	J0JJC0000015	CHIP INDUCTOR	1	
L6001-06	G0CR96KA0118	PEAKING COIL	6	
L6010	J0JJC0000015	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6011-15	G0C1R4KA0118	PEAKING COIL	5	
L6061-72	J0JKB0000050	FLAT CORE	12	
L6081-86	J0JKB0000050	FLAT CORE	6	
L6101,02	J0JJC0000015	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6105,06	J0JJC0000015	CHIP INDUCTOR	2	
L6211,12	J0JJC0000015	CHIP INDUCTOR	2	
L6214	J0JJC0000015	CHIP INDUCTOR	1	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271	G0ZZ00002183	PEAKING COIL	1	
L6401	ELC11P1R0	CHOKE COIL	1	
L6403-06	ELC11P1R0	CHOKE COIL	4	
L6411-15	G0A1R4MA0003	CHOKE COIL	5	
L6461-68	J0JKB0000050	FLAT CORE	8	
L6472	G0ZZ00002183	PEAKING COIL	1	
L6474	G0ZZ00002183	PEAKING COIL	1	
L6481-86	J0JKB0000050	FLAT CORE	6	
L6591,92	G0ZZ00002183	PEAKING COIL	2	
L6601,02	G0ZZ00002183	PEAKING COIL	2	
L6606	G0ZZ00002183	PEAKING COIL	1	
L6801-03	J0JJC0000015	CHIP INDUCTOR	3	
L6841	J0JJC0000015	CHIP INDUCTOR	1	
L7701	J0JCC0000143	CHIP INDUCTOR	1	
L8001-05	J0JHC0000045	CHIP INDUCTOR	5	
L8007-10	J0JHC0000045	CHIP INDUCTOR	4	
L8300-03	J0JHC0000045	CHIP INDUCTOR	4	
L8306,07	G1CR22JA0020	INDUCTION COIL	2	
L8309	G1CR39JA0020	INDUCTION COIL	1	PAVCA
L8310,11	J0JHC0000045	CHIP INDUCTOR	2	
L8313,14	J0JHC0000045	CHIP INDUCTOR	2	
L8317-19	G1CR39JA0020	INDUCTION COIL	3	PAVCA
L8500	J0JCC0000241	CHIP INDUCTOR	1	
L8501	J0JHC0000045	CHIP INDUCTOR	1	
L8503	J0JHC0000045	CHIP INDUCTOR	1	
L9500	G1C150KA0038	INDUCTION COIL	1	
L9501,02	J0JHC0000078	CHIP INDUCTOR	2	
L9504,05	J0JHC0000078	CHIP INDUCTOR	2	
L9800	G1C2R2Z00007	INDUCTION COIL	1	
L9801	G1C1R5Z00006	INDUCTION COIL	1	
L9802	G1C2R2Z00007	INDUCTION COIL	1	
PA9800	K5H4022A0023	FUSE	1	
PB30	K1KA05AA0193	5P CONNECTOR	1	
PB31,32	K1KA03AA0192	3P CONNECTOR	2	
PB34	K1KA03AA0192	3P CONNECTOR	1	
PB37	K1KA03AA0192	3P CONNECTOR	1	
PC6480	B3PBA0000223	IC	1	
PC6701-03	B3PBA0000457	IC	3	
PC6705	B3PBA0000397	IC	1	
PC6706	B3PBA0000223	IC	1	
PC6707,08	B3PBA0000457	IC	2	
PC6709	B3PBA0000456	IC	1	
PC6710,11	B3PBA0000223	IC	2	
PC6801	B3PBA0000223	IC	1	
PC6862	B3PBA0000223	IC	1	
PC6871,72	B3PBA0000223	IC	2	
PCB	TNPA4360S	CIRCUIT BOARD H	1	PAVCA ⚠
PCB	TNPA4415S	CIRCUIT BOARD DG	1	PAVCA ⚠
PCB	TNPA4243AES	CIRCUIT BOARD PB	1	PAVCA ⚠
PCB	ETX2MM681MFS	CIRCUIT BOARD P	1	PAVCA ⚠
PCB	TXNC11NZTU	CIRCUIT BOARD C1	1	PAVCA ⚠
PCB	TXNC21NZTU	CIRCUIT BOARD C2	1	PAVCA ⚠
PCB	TXNC31NZTU	CIRCUIT BOARD C3	1	PAVCA ⚠
PCB	TXNC41NZTU	CIRCUIT BOARD C4	1	PAVCA ⚠
PCB	TNPA4245ADS	CIRCUIT BOARD D	1	PAVCA ⚠
PCB	TXNSC1NZTU	CIRCUIT BOARD SC	1	PAVCA ⚠
PCB	TXNSD1NZTU	CIRCUIT BOARD SD	1	PAVCA ⚠
PCB	TXNSS1NZTU	CIRCUIT BOARD SS	1	PAVCA ⚠
PCB	TXNSU1NZTU	CIRCUIT BOARD SU	1	PAVCA ⚠
PCB	TNPA4307S	CIRCUIT BOARD K	1	PAVCA ⚠
PCB	TNPA4237S	CIRCUIT BOARD S	1	PAVCA ⚠
PCB	TNPA4306S	CIRCUIT BOARD G	1	PAVCA ⚠
PCB	TNPA4308S	CIRCUIT BOARD GS	1	PAVCA ⚠
Q1107,08	2SD0601ARL	TRANSISTOR	2	
Q2041,42	2SD0601ARL	TRANSISTOR	2	
Q2053	2SB0709ARL	TRANSISTOR	1	
Q2056	2SD0601ARL	TRANSISTOR	1	
Q2057	2SB0709ARL	TRANSISTOR	1	
Q2059,60	2SD0601ARL	TRANSISTOR	2	
Q2066	2SD0601ARL	TRANSISTOR	1	
Q2301	2SB0709ARL	TRANSISTOR	1	
Q2302	2SD0601ARL	TRANSISTOR	1	
Q2510,11	2SD0601ARL	TRANSISTOR	2	
Q2602	B1MBACA00008	TRANSISTOR	1	
Q3123,24	2SD0601ARL	TRANSISTOR	2	
Q3125	2SB0709ARL	TRANSISTOR	1	
Q3500	2SD0601ARL	TRANSISTOR	1	
Q3502,03	2SB0709ARL	TRANSISTOR	2	
Q3504,05	2SD0601ARL	TRANSISTOR	2	
Q4010-15	2SD0601ARL	TRANSISTOR	6	
Q4500-05	2SD0601ARL	TRANSISTOR	6	
Q4514-17	2SB0709ARL	TRANSISTOR	4	
Q5600-02	B1MBEDA00015	TRANSISTOR	3	
Q5604	2SB0709ARL	TRANSISTOR	1	
Q5605	2SK3065T100	FET	1	
Q5606,07	2SD0601ARL	TRANSISTOR	2	
Q5608	2SB0709ARL	TRANSISTOR	1	
Q5901,02	B1MBEDA00015	TRANSISTOR	2	
Q6001-05	B1JAEP000001	TRANSISTOR	5	
Q6021-25	B1JAEP000001	TRANSISTOR	5	
Q6031	B1ADRD000001	TRANSISTOR	1	
Q6042-44	2PG0010000RP	TRANSISTOR	3	
Q6051-53	2PG0010000RP	TRANSISTOR	3	
Q6101,02	B1DFKM000002	TRANSISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6103	B1ABPF000014	TRANSISTOR	1	
Q6104	B1ADPF000004	TRANSISTOR	1	
Q6105,06	B1DFKM000002	TRANSISTOR	2	
Q6111,12	B1DFKM000001	TRANSISTOR	2	
Q6114	B1DFKM000001	TRANSISTOR	1	
Q6141	B1ABPF000014	TRANSISTOR	1	
Q6142	B1ADPF000004	TRANSISTOR	1	
Q6143	B1ABPF000014	TRANSISTOR	1	
Q6144	B1ADPF000004	TRANSISTOR	1	
Q6146	B1ABPF000014	TRANSISTOR	1	
Q6147	B1ADPF000004	TRANSISTOR	1	
Q6148	B1ABPF000014	TRANSISTOR	1	
Q6149	B1ADPF000004	TRANSISTOR	1	
Q6171	B1ABRD000003	TRANSISTOR	1	
Q6172	B1ADRD000001	TRANSISTOR	1	
Q6181	B1ABRD000003	TRANSISTOR	1	
Q6222	2SC1473AEA	TRANSISTOR	1	
Q6251	2SD0601ARL	TRANSISTOR	1	
Q6256	2SD1263A	TRANSISTOR	1	
Q6271	2SD0601ARL	TRANSISTOR	1	
Q6401-05	2PG0010000RP	TRANSISTOR	5	
Q6421-25	B1JAER000002	TRANSISTOR	5	
Q6442-44	2PG0010000RP	TRANSISTOR	3	
Q6451-53	B1JAER000003	TRANSISTOR	3	
Q6501	B1ABPF000014	TRANSISTOR	1	
Q6502	B1ADPF000004	TRANSISTOR	1	
Q6503	B1ABPF000014	TRANSISTOR	1	
Q6504	B1ADPF000004	TRANSISTOR	1	
Q6521	B1ABPF000014	TRANSISTOR	1	
Q6522	B1ADPF000004	TRANSISTOR	1	
Q6523	B1ABPF000014	TRANSISTOR	1	
Q6524	B1ADPF000004	TRANSISTOR	1	
Q6531	B1ABRD000003	TRANSISTOR	1	
Q6532	B1ADRD000001	TRANSISTOR	1	
Q6551	B1ABRD000003	TRANSISTOR	1	
Q6552	B1ADRD000001	TRANSISTOR	1	
Q6581	2SD0601ARL	TRANSISTOR	1	
Q6601	B1DFES000003	TRANSISTOR	1	
Q6602	2SD0601ARL	TRANSISTOR	1	
Q6603	2SB0709ARL	TRANSISTOR	1	
Q6604	B1DEET000002	TRANSISTOR	1	
Q6605	2SD0601ARL	TRANSISTOR	1	
Q6606	2SB0709ARL	TRANSISTOR	1	
Q6609	2SD0601ARL	TRANSISTOR	1	
Q6622-26	B1DFKM000002	TRANSISTOR	5	
Q6641-46	B1DFKM000002	TRANSISTOR	6	
Q6648,49	B1DFKM000002	TRANSISTOR	2	
Q6651-54	B1DFKM000002	TRANSISTOR	4	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD0601ARL	TRANSISTOR	1	
Q6665	B1ABPF000014	TRANSISTOR	1	
Q6671,72	B1DFET000001	TRANSISTOR	2	
Q6679	B1ABPF000014	TRANSISTOR	1	
Q6680	B1ADPF000004	TRANSISTOR	1	
Q6690	2SA19610Q0HW	TRANSISTOR	1	
Q6691	B1ABPF000014	TRANSISTOR	1	
Q6692	B1ADPF000004	TRANSISTOR	1	
Q6694	B1ADPF000004	TRANSISTOR	1	
Q6695,96	B1DFKM000002	TRANSISTOR	2	
Q6698	2SC4212H00RL	TRANSISTOR	1	
Q6699	2SC1473AEA	TRANSISTOR	1	
Q6700	2SD0601ARL	TRANSISTOR	1	
Q6742,43	2SD0601ARL	TRANSISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6763	B1ADPF000004	TRANSISTOR	1	
Q6781	B1ABPF000014	TRANSISTOR	1	
Q6782	B1ADPF000004	TRANSISTOR	1	
Q6791	2SD0601ARL	TRANSISTOR	1	
Q6792	2SA19610Q0HW	TRANSISTOR	1	
Q6793	2SD0601ARL	TRANSISTOR	1	
Q6805	2SC4212H00RL	TRANSISTOR	1	
Q6806	2SC1473AEA	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD0601ARL	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473AEA	TRANSISTOR	1	
Q8301	2SB0709ARL	TRANSISTOR	1	
Q8302,03	B1CBHD000002	FET	2	
Q9010	2SD0601ARL	TRANSISTOR	1	
Q9044	2SD0601ARL	TRANSISTOR	1	
Q9046	2SD0601ARL	TRANSISTOR	1	
Q9050-54	2SD0601ARL	TRANSISTOR	5	
Q9300-06	2SD0601ARL	TRANSISTOR	7	
Q9805,06	2SD0601ARL	TRANSISTOR	2	
Q9807-09	B1MBEDA00015	TRANSISTOR	3	
R851,52	ERJ6GEYF472	M 4.7KOHM,F,1/10W	2	
R854	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R857	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R859	ERJ6ENF2001	M 2KOHM, 1/10W	1	
R861	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R867	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R869	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R871	ERJ6ENF1302	M 13KOHM, 1/10W	1	
R872	ERJ6ENF6200	M 620 OHM, 1/10W	1	
R874	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R1100	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1101	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R1102	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1103	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R1104	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1105-09	ERJ2GEJ101	M 100 OHM, J,0.063W	5	
R1110	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1111,12	ERJ2GEJ474	M 470KOHM, J,0.063W	2	
R1113	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1124,25	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R1126	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1134	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1137	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1139	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1143,44	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R1146	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R1147	ERJ2GEJ105	M 1MOHM, J,0.063W	1	
R1148	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1151	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1153	ERJ2GEJ821	M 820 OHM, J,0.063W	1	
R1155	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1162	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1164	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1165	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1166	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1167	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R1168	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1169	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R1170	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1171	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R1172	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1174,75	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1179	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1181	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1182	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1183,84	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1185	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1187	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1189	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1190,91	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R1193	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1194	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R1195	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1196	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1199	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1200,01	ERJ2GEJ562	M 5.6KOHM, J,0.063W	2	
R1203	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1205,06	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1209	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1216	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1217	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R1218-20	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R1221	ERJ3EKF7151	M 7.15KOHM, 1/16W	1	
R1222	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1223	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1224	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1225	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1226-28	ERJ2GEJ473	M 47KOHM, J,0.063W	3	
R1229	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1230-37	ERJ2GEJ473	M 47KOHM, J,0.063W	8	
R1244-47	ERJ2GEJ473	M 47KOHM, J,0.063W	4	
R1249	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1250-56	ERJ2GEJ473	M 47KOHM, J,0.063W	7	
R1260	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1263	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1265	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R1267,68	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R1273	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1343	ERJ2GEJ561	M 60 OHM, J,0.063W	1	
R1344,45	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R1356	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R2056,57	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R2058	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2059	D0GB105JA057	M 1MOHM,J,1/16W	1	
R2063	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2100	ERJ3EKF2002	M 20KOHM, 1/16W	1	
R2102	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2104	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R2106	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2107,08	D0GB102JA057	M 1KOHM,J,1/16W	2	
R2110	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2111	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2112	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2113	ERJ3EKF1203	M 120KOHM, 1/16W	1	
R2114	ERJ3EKF7502	M 75KOHM, 1/16W	1	
R2115	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2116	D0GB102JA057	M 1KOHM,J,1/16W	1	
R2117	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2118	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2125	D0GB102JA057	M 1KOHM,J,1/16W	1	
R2130,31	D0GB103JA057	M 10KOHM,J,1/16W	2	
R2132	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2139	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2140	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2142	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2145	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2146	D0GB105JA057	M 1MOHM,J,1/16W	1	
R2148	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2149	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2150,51	ERJ3EKF2802	M 28KOHM, 1/16W	2	
R2153	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2165	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2166	ERJ3EKF1602	M16.0KOHM, 1/16W	1	
R2168	ERJ3EKF1602	M16.0KOHM, 1/16W	1	
R2169	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R2181	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R2182,83	ERJ3EKF3602	M 36KOHM, 1/16W	2	
R2199	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2271	EXB28VR000X	RESISTOR ARRAY	1	
R2276	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2301,02	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R2305	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2306	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R2308	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
R2311	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
R2313	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
R2315	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
R2317	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2319	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2321	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2325	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2330	D0GB102JA057	M 1KOHM,J,1/16W	1	
R2331	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2350	ERJ3GEYJ224	M 220KOHM,J,1/16W	1	
R2351	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2352	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2353	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2362	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2516	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2517	ERJ6GEYG470V	M 47 OHM,J,1/10W	1	
R2520	ERJ3GEYJ224	M 220KOHM,J,1/16W	1	
R2524	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2525	ERJ3GEYF821	M 820 OHM,J,1/16W	1	
R2542	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2557	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2620,21	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R2622,23	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3001	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3002	D0GB102JA057	M 1KOHM,J,1/16W	1	
R3003	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3005	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3014	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3015	D0GB102JA057	M 1KOHM,J,1/16W	1	
R3016	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3018	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3020	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3021-23	ERJ3EKF75R0	M 0.75HM, 1/16W	3	
R3032	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3033	ERJ6RED750	M 75 OHM, 1/10W	1	
R3044	ERJ3GEYD274V	M 270KOHM,J,1/16W	1	
R3051-53	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3071	ERJ3GEYJ680	M 68 OHM,J,1/16W	1	
R3073	ERJ3GEYJ680	M 68 OHM,J,1/16W	1	
R3075	ERJ3GEYJ680	M 68 OHM,J,1/16W	1	
R3077	ERJ3GEYJ680	M 68 OHM,J,1/16W	1	
R3079	ERJ3GEYJ680	M 68 OHM,J,1/16W	1	
R3081	ERJ3GEYJ680	M 68 OHM,J,1/16W	1	
R3083	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3084	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3087	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3095	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3096	D0GB102JA057	M 1KOHM,J,1/16W	1	
R3097	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3099	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3103,04	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R3106-17	ERJ3GEYJ221	M 220 OHM,J,1/16W	12	
R3120,21	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R3122	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3123,24	D0GB182JA057	M 1.8KOHM,J,1/16W	2	
R3125,26	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R3134	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3135,36	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3137	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3145	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3146	D0GB184JA057	M 180KOHM,J,1/16W	1	
R3147	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3148	D0GB184JA057	M 180KOHM,J,1/16W	1	
R3149,50	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R3151	D0GB105JA057	M 1MOHM,J,1/16W	1	
R3152	D0GB473JA057	M 47KOHM,J,1/16W	1	
R3153	D0GB102JA057	M 1KOHM,J,1/16W	1	
R3154	ERJ3GEYD274V	M 270KOHM,J,1/16W	1	
R3189	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R3190-93	D0GB393JA041	M 39KOHM,J,1/16W	4	
R3194	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R3195,96	D0GB393JA041	M 39KOHM,J,1/16W	2	
R3197-99	ERJ3EKF75R0	M 0.75HM, 1/16W	3	
R3200-02	D0GB393JA041	M 39KOHM,J,1/16W	3	
R3203	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R3204	D0GB393JA041	M 39KOHM,J,1/16W	1	
R3205	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R3207-09	ERJ3EKF75R0	M 0.75HM, 1/16W	3	
R3211,12	ERJ3EKF75R0	M 0.75HM, 1/16W	2	
R3258-60	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R3261	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3341,42	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R3505,06	D0GB103JA057	M 10KOHM,J,1/16W	2	
R3507	D0GB473JA057	M 47KOHM,J,1/16W	1	
R3508	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3512	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3513	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3514	D0GB103JA057	M 10KOHM,J,1/16W	1	
R3515	D0GB473JA057	M 47KOHM,J,1/16W	1	
R3516	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3517	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3518	ERJ3GEYJ681	M 680 OHM,J,1/16W	1	
R3519	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3520	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3521	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3523	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3525	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3527,28	D0GB103JA057	M 10KOHM,J,1/16W	2	
R3529,30	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3534	ERJ3EKF2611	M2.61KOHM, 1/16W	1	
R3535	ERJ3EKF1271V	M1.27KOHM, 1/16W	1	PAVCA
R3560,61	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R3572,73	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R3716,17	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R3721	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R3732	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3752	ERJ6ENF1741	M1.74KOHM, 1/10W	1	
R3753	ERJ6ENF1621	M1.62KOHM, 1/10W	1	
R3754	ERJ6ENF2321	M2.32KOHM, 1/10W	1	
R3756	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R3758	ERJ6ENF3161	M3.16KOHM, 1/10W	1	
R3766,67	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R4001	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4013	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4026	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4079	D1HG5608A002	NETWORK RESISTER	1	
R4081	D1HG5608A002	NETWORK RESISTER	1	
R4089-91	D1HG5608A002	NETWORK RESISTER	3	
R4134-37	ERJ2GEJ101	M 100 OHM, J,0.063W	4	
R4141	ERJ2GEJ152	M 1.5KOHM, J,0.063W	1	
R4142	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4143	ERJ2GEJ152	M 1.5KOHM, J,0.063W	1	
R4145	ERJ2GEJ562	M 5.6KOHM, J,0.063W	1	
R4146	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R4147	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R4148-50	ERJ2GEJ473	M 47KOHM, J,0.063W	3	
R4151	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4153,54	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R4156	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4162	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R4166	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4167	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4168	EXB2HV473JV	RESISTOR ARRAY	1	
R4200	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R4201,02	ERJ2GEJ470	M 47 OHM, J,0.063W	2	
R4205-07	EXB2HV470JV	RESISTOR ARRAY	3	
R4241	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R4246,47	D0YAR0000007	M 0.0 OHM, J,0.063W	2	
R4249	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R4302	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R4303-06	ERJ2GEJ470	M 47 OHM, J,0.063W	4	
R4307	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R4308	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4317	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4320	ERJ2GEJ473	M 47KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4325	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4328	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4330	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4500,01	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4502,03	ERJ2GEJ390	M 39 OHM, J,0.063W	2	
R4506,07	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4508-23	ERJ2GEJ2R2X	M 2.2OHM, J,0.063W	16	
R4524,25	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4526,27	ERJ2GEJ102X	M 1KOHM, J,0.063W	2	
R4528	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4529	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4530	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4531	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4532,33	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4535,36	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R4538	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4539	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4540	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4541-43	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4544-47	ERJ2GEJ103	M 10KOHM, J,0.063W	4	
R4552	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4561-63	ERJ2GEJ472	M 4.7KOHM, J,0.063W	3	
R4564,65	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4578,79	ERJ2GEJ151	M 150 OHM, J,0.063W	2	
R4585	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4587	ERJ3GEYF821	M 820 OHM,J,1/16W	1	
R4593	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R4596-98	ERJ6GEYG102	M 1KOHM,J,1/10W	3	
R4600	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4601	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R4603	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4604	ERJ3EKF7501	M 7.5KOHM, 1/16W	1	
R4606	ERJ3EKF4701	M 4.7KOHM, 1/16W	1	
R4611	ERJ3EKF1371	M 1.37KOHM, 1/16W	1	
R4612	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	
R4613,14	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4615	ERJ3EKF1600	M 160 OHM, 1/16W	1	
R4622	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4624	ERJ3EKF1691	M1.69KOHM, 1/16W	1	
R4626	ERJ2GEJ105	M 1MOHM, J,0.063W	1	
R4627	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R4628,29	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R4631	ERJ3EKF4990	M 499 OHM, 1/16W	1	
R4635	EXB28V680JX	RESISTOR ARRAY	1	
R4636-38	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4639,40	EXB28V680JX	RESISTOR ARRAY	2	
R4641	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4642	EXB28V680JX	RESISTOR ARRAY	1	
R4643,44	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4645-47	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4648	EXB28V330J	RESISTOR ARRAY	1	
R4649	EXB28V680JX	RESISTOR ARRAY	1	
R4650,51	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R4652	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4653	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4654	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R4656-58	ERJ2GEJ220	M 22 OHM, J,0.063W	3	
R4661	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4666	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4667	ERJ2GEJ151	M 150 OHM, J,0.063W	1	
R4670	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4691,92	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4701-03	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4705	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R4706	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R4708	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R4712-35	ERJ3GEY0R00	M 0 OHM, 1/16W	24	
R4736	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4737,38	ERJ2GEJ102X	M 1KOHM, J,0.063W	2	
R4739,40	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R4741	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R4742	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4743	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R4746	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4790	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R5000,01	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R5002-04	ERJ2GEJ220	M 22 OHM, J,0.063W	3	
R5005	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R5007	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R5008	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R5009	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R5010	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R5011,12	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R5013	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R5014-18	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R5019,20	EXB2HV680J	RESISTOR ARRAY	2	
R5021-25	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R5026	EXB2HV680J	RESISTOR ARRAY	1	
R5027	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5028	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R5029,30	ERJ3EKF1000	M 100 OHM, 1/16W	2	
R5031	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5032	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R5033	ERJ3EKF4751	M 4.75KOHM, 1/16W	1	
R5034	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R5035	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R5036	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5038	ERJ2GEJ105	M 1MOHM, J,0.063W	1	
R5039-41	D0YAR0000007	M 0.0 OHM, J,0.063W	3	
R5043,44	D0YAR0000007	M 0.0 OHM, J,0.063W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R5045	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R5046	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5048	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5065	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5070-72	ERJ2GEJ470	M 47 OHM, J,0.063W	3	
R5087	ERJ3EKF5601	M 5.6KOHM, 1/16W	1	
R5088	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R5091	ERJ3EKF3302	M 33KOHM, 1/16W	1	
R5092	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R5117	ERJ3EKF3302	M 33KOHM, 1/16W	1	
R5118	ERJ3EKF3242	M32.4KOHM, 1/16W	1	
R5119,20	D0YAR0000007	M 0.0 OHM, J,0.063W	2	
R5121	EXB2HV470JV	RESISTOR ARRAY	1	
R5122	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R5123	EXB2HV470JV	RESISTOR ARRAY	1	
R5124	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R5125	EXB2HV470JV	RESISTOR ARRAY	1	
R5126	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R5127	EXB2HV470JV	RESISTOR ARRAY	1	
R5128	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R5129	EXB2HV470JV	RESISTOR ARRAY	1	
R5130,31	ERJ2GEJ470	M 47 OHM, J,0.063W	2	
R5132,33	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R5134	EXB2HV470JV	RESISTOR ARRAY	1	
R5135	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R5136,37	ERJ3EKF1001	M 1KOHM, 1/16W	2	
R5138-42	D0YAR0000007	M 0.0 OHM, J,0.063W	5	
R5169	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R5170	ERJ3EKF3242	M32.4KOHM, 1/16W	1	
R5172	ERJ3EKF1690	M 169 OHM, 1/16W	1	
R5173,74	ERJ3GEYJ121	M 120 OHM,J,1/16W	2	
R5176	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R5179	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R5181	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5183,84	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R5191	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5194	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5196	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R5197,98	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R5199-02	ERJ2GEJ103	M 10KOHM, J,0.063W	4	
R5203	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R5204	D0GB103JA057	M 10KOHM,J,1/16W	1	
R5205,06	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R5214	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R5215-34	ERJ3GEYJ121	M 120 OHM,J,1/16W	20	
R5235-44	ERJ3EKF1690	M 169 OHM, 1/16W	10	
R5245	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5247	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5251	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R5318	ERJ2GEJ821	M 820 OHM, J,0.063W	1	
R5319	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R5336	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R5337	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R5338	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5340	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R5342-44	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R5345,46	ERJ2GEJ102X	M 1KOHM, J,0.063W	2	
R5347	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R5600	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R5602	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5604	ERJ3GEYF473		1	
R5605	ERJ3EKF1272	M12.7KOHM, 1/16W	1	
R5606-09	D0YAR0000007	M 0.0 OHM, J,0.063W	4	
R5610	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R5611	ERJ3GEYF473	M 47KOHM, 1/16W	1	
R5612	ERJ3EKF1602	M16.0KOHM, 1/16W	1	
R5620	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R5621	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	
R5622	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R5623	ERJ3GEYF473	M 47KOHM, 1/16W	1	
R5625-28	D0YAR0000007	M 0.0 OHM, J,0.063W	4	
R5629	ERJ3EKF2802	M 28KOHM, 1/16W	1	
R5630	ERJ3EKF4752	M47.5KOHM, 1/16W	1	
R5631	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R5632	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R5633	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R5634	ERJ3EKF1602	M16.0KOHM, 1/16W	1	
R5635	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R5636	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R5638	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R5640	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R5648	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R5650,51	ERJ2GED563X	M 56KOHM ,J,0.063W	2	
R5652	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R5653	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R5654	ERJ3EKF1622V	M16.2KOHM, 1/16W	1	PAVCA
R5657	ERJ2GEJ222	M 2.2KOHM, J,0.063W	1	
R5658	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R5659,60	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R5661	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R5666	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R5667	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R5668	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R5669	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R5670	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R5671	ERJ2GEJ222	M 2.2KOHM, J,0.063W	1	
R5672	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R5673,74	ERJ2RHD682X	M 22KOHM, J, 2W	2	
R5732	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R5733	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R5747	ERJ2GEJ562	M 5.6KOHM, J,0.063W	1	
R5748,49	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R5762	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R5860,61	EXB2HV470JV	RESISTOR ARRAY	2	
R5868	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R5870-72	ERJ2RKD330	M 33 OHM, J,0.063W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R5875-78	ERJ2GEJ470	M 47 OHM, J,0.063W	4	
R5908,09	D0YAR0000007	M 0.0 OHM, J,0.063W	2	
R5920	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R5921	ERJ3GEYF473	M 47KOHM, 1/16W	1	
R5922	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R5923	ERJ3GEYF473	M 47KOHM, 1/16W	1	
R5925-28	D0YAR0000007	M 0.0 OHM, J,0.063W	4	
R5929	ERJ3EKF2802	M 28KOHM, 1/16W	1	
R5930	ERJ3EKF4752	M47.5KOHM, 1/16W	1	
R5931	ERJ3EKF3242	M32.4KOHM, 1/16W	1	
R5932	ERJ3EKF1272	M12.7KOHM, 1/16W	1	
R5933,34	ERJ3EKF1602	M16.0KOHM, 1/16W	2	
R6001	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6003	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6005	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6007	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6009	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6019,20	ERF5TJ161	W 160 OHM, J, 5W	2	
R6021	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6024	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6026	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6028	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6030	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6031,32	ERJ6ENF1373	M 137KOHM, 1/10W	2	
R6033	ERJ6ENF1213	M 121KOHM, 1/10W	1	
R6034	ERJ6ENF4642	M46.4KOHM, 1/10W	1	
R6043	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6045	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6047	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6051	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6053	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6055	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6102	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6104	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6106	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6108	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6109	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6110	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6111,12	ERJT06J470V	M 47 OHM,F,0.25W	2	
R6113	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6114	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6116	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6131,32	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6134	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6135-38	ERJT06J100V	M 10 OHM,F,0.25W	4	
R6141-44	ERJ6GEYF473	M 47KOHM,J,1/10W	4	
R6145	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6146-49	ERJ6GEYF473	M 47KOHM,J,1/10W	4	
R6151,52	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6154	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6157-60	ERJT08J1R0V	M 1.8OHM,J, 0.33W	4	
R6171	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6172,73	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6181	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6182,83	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6191,92	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6193	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6194	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6209	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6210	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6213	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6214	ERJT06J151V	M 150 OHM,F,0.25W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225-27	ERJ6ENF4992	M49.9KOHM, 1/10W	3	
R6232	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6233	ERJT08J134V	M130KOHM,J, 0.33W	1	
R6234	ERJ6GEYJ163V	M 16KOHM,J,1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472JV	RESISTOR ARRAY	1	
R6243	EXB38V470J	RESISTOR ARRAY	1	
R6244	EXB38V472JV	RESISTOR ARRAY	1	
R6246	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6247	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6248	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6249	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6252,53	ERJ6ENF5112	M51.1KOHM, 1/10W	2	
R6254	ERJ6ENF8661	M8.66KOHM, 1/10W	1	
R6255	ERJ6RBD123V	M 12KOHM, 1/10W	1	
R6256	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R6257	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6258	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6260	ERJ6RBD123V	M 12KOHM, 1/10W	1	
R6261	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6263	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6272	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6273	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6274	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6275	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6276	ERJ6GEYG823	M 82KOHM,J,1/10W	1	
R6277	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6278	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6279,80	ERJT08J154V	M150KOHM,J, 0.33W	2	
R6283	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6285	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6292	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6401-05	ERJT08J7R5V	M 7.5OHM,J, 0.33W	5	
R6421-25	ERJT08J7R5V	M 7.5OHM,J, 0.33W	5	
R6442-44	ERJT08J7R5V	M 7.5OHM,J, 0.33W	3	
R6451-53	ERJT08J7R5V	M 7.5OHM,J, 0.33W	3	
R6465	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6466	ERJ6ENF6202	M 62KOHM, 1/10W	1	
R6467,68	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6471	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6472	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6473	ERJ6GEYF561	M 560 OHM,F,1/10W	1	
R6474	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6475,76	ERJ6GEYF472	M 4.7KOHM,F,1/10W	2	
R6477	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6478	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R6479	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6490-97	ERJ6GEYJ184	M 180KOHM,J,1/10W	8	
R6501,02	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6503	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6504	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6505	D0GF1R0JA047	M 1.0 OHM,J,0.33W	1	
R6506	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6507-09	ERJT08J1R0V	M 1.8OHM,J, 0.33W	3	
R6511,12	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6513	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6514-17	ERJ6GEYF473	M 47KOHM,J,1/10W	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6518	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6519,20	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6521,22	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6523	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6531	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6532,33	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6551	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6552,53	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	
R6565-68	EXB38V472JV	RESISTOR ARRAY	4	
R6580	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R6585	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6586	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6587	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6588	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6590	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6591	EXB38V472JV	RESISTOR ARRAY	1	
R6592	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R6593	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6594	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6595-98	ERJ6GEYG104	M 100KOHM,J,1/10W	4	
R6604	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6605	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R6606	ERJ6ENF7681	M7.68KOHM, 1/10W	1	
R6608	ERJT08J102V	M 1KOHM,J, 0.33W	1	
R6609	D0GZ102JA020	M 1KOHM,J,1/16W	1	
R6612	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6622-26	ERJ6GEYG221	M 220 OHM,J,1/10W	5	
R6638,39	ERJT08J1R0V	M 1.8OHM,J, 0.33W	2	
R6641-46	ERJ6GEYG330	M 33 OHM,J,1/10W	6	
R6648,49	ERJ6GEYG330	M 33 OHM,J,1/10W	2	
R6651-54	ERJ6GEYG330	M 33 OHM,J,1/10W	4	
R6658	D0D1101JA009	M 100 OHM,J,1W	1	
R6659,60	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6661	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6662	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R6663	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6664	ERJT08J222V	M2.2KOHM,J, 0.33W	1	
R6665	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6666	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6667,68	ERJ6GEYF472	M 4.7KOHM,F,1/10W	2	
R6669	EXB38V470J	RESISTOR ARRAY	1	
R6670	EXB38V472JV	RESISTOR ARRAY	1	
R6671	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6672	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6673,74	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R6676,77	ERJT06J470V	M 47 OHM,F,0.25W	2	
R6681	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6683-86	ERJT06J100V	M 10 OHM,F,0.25W	4	
R6692	D0GZ392JA020	M 3.9 OHM,J, 0.5W	1	
R6693	ERJ6GEYG823	M 82KOHM,J,1/10W	1	
R6694	ERJ6GEYG153	M 15KOHM,J,1/10W	1	
R6695	ERJ8GEYJ124	M 120KOHM, J,1/8W	1	
R6696	ERF5TK2R2	W 2.2 OHM, K, 5W	1	
R6697	ERJT06J151V	M 150 OHM,F,0.25W	1	
R6698	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6700-04	ERJ6GEYJ471	M 470 OHM,J,1/10W	5	
R6705,06	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6707,08	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R6709	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6710-14	ERJ6GEYG222	M 2.2KOHM,J,1/10W	5	
R6715	ERJ12YJ103	M 10KOHM,J, 1/2W	1	
R6716-18	ERJ6GEYG222	M 2.2KOHM,J,1/10W	3	
R6719	ERJ6GEYG470V	M 47 OHM,J,1/10W	1	
R6720	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6721,22	EXB38V220JV	RESISTOR ARRAY	2	
R6723	ERJ6ENF6800	M 680 OHM, 1/10W	1	
R6725	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R6726	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R6727	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6728	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R6729	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6731	ERJ6ENF7500	M 750 OHM, 1/10W	1	
R6732	ERJ6GEYG470V	M 47 OHM,J,1/10W	1	
R6733	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6734,35	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R6736	ERQ12AJW560E	F 56 OHM, J,1/2W	1	
R6737	ERJ12YJ124U	M 120KOHM, 1/2W	1	
R6738	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R6739	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R6742	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6743	ERJ6GEYG332	M 3.3KOHM,J,1/10W	1	
R6745	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6746,47	ERJT06J103V	M 10KOHM,F,0.25W	2	
R6748,49	ERJT08J102V	M 1KOHM,J, 0.33W	2	
R6750	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6751,52	ERJT06J100V	M 10 OHM,F,0.25W	2	
R6754	ERJ6GEYG152	M 1.5KOHM,J,1/10W	1	
R6755	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6756	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6757	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6758	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6759	ERF5TK2R2	W 2.2 OHM, K, 5W	1	
R6760	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6761	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6762	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6765	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6766	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6768	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6769	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6772	ERJT08J2R2V	M 2.2OHM,J, 0.33W	1	
R6773	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6774	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R6775,76	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6777	ERJT06J151V	M 150 OHM,F,0.25W	1	
R6778	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R6779	ERJT06J151V	M 150 OHM,F,0.25W	1	
R6780	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6781	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6782	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6783	ERJT06J333V	M 33KOHM,F,0.25W	1	
R6786	ERJ6GEYG152	M 1.5KOHM,J,1/10W	1	
R6787	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6788	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R6789	D0GZ392JA020	M 3.9 OHM,J, 0.5W	1	
R6790	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R6791	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6792	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6793	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6794	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6795	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6796	ERJ6GEYF561	M 560 OHM,F,1/10W	1	
R6797	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6798,99	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R6800	ERJT06J151V	M 150 OHM,F,0.25W	1	
R6801	ERG2FNJS8R2E	M 8.2 OHM, J, 2W	1	
R6802	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6804	ERJ6GEYG823	M 82KOHM,J,1/10W	1	
R6805	ERJ6GEYG153	M 15KOHM,J,1/10W	1	
R6806,07	ERX12SJ1R8	M 1.8 OHM, J,1/2W	2	
R6808	D0GF272JA047	M 2.7 KOHM,J,0.33W	1	
R6809	ERG1FJS393D	M 39KOHM, J, 3W	1	
R6810	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6811	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6812	ERJ6ENF1203	M 120KOHM, 1/10W	1	
R6813	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6814	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6815	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6816	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R6817	ERJ6GEYG122	M 1.2KOHM,J,1/10W	1	
R6818	ERJ6GEYF561	M 560 OHM,F,1/10W	1	
R6819	ERJ8GEYJ124	M 120KOHM, J,1/8W	1	
R6820	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6821	ERF5TJ221	W 220 OHM, J, 5W	1	
R6822	ERJ12YJ563U	M 56KOHM, 1/2W	1	
R6823	ERG1FJS104D	M 100KOHM, J, 1W	1	
R6824	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6825-27	ERJ6RED124	M 120KOHM, 1/10W	3	
R6828	ERJ6RBD332	M 3.3KOHM,J,1/10W	1	
R6829,30	ERJ6ENF1003	M 100KOHM, 1/10W	2	
R6831	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R6832	ERJT08J4R7V	M 4.7OHM,J, 0.33W	1	
R6833	ERJ6RBD303	M 30KOHM,J,1/10W	1	
R6839	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R6840	ERX12SJ1R8	M 1.8 OHM, J,1/2W	1	
R6841	ERJ12YJ103	M 10KOHM,J, 1/2W	1	
R6842	ERJ12YJ433U	M 43KOHM, 1/2W	1	
R6843	ERJ6GEYJ623	M 62KOHM,J,1/10W	1	
R6844	D0D2101JA021	M 100 OHM,J,2W	1	
R6845-47	ERJ6GEYJ623	M 62KOHM,J,1/10W	3	
R6848	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6849	ERJ6ENF8202	M 82KOHM, 1/10W	1	
R6850	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R6851	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6852	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6852,53	ERJ6GEYG221	M 220 OHM,J,1/10W	2	
R6853	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6854	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R6854	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6855	ERJ12YJ103	M 10KOHM,J, 1/2W	1	
R6856	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6856	ERQ12AJW560E	F 56 OHM, J,1/2W	1	
R6857	ERJ12YJ124U	M 120KOHM, 1/2W	1	
R6857-59	ERJ6GEYG221	M 220 OHM,J,1/10W	3	
R6859	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6860	D0D28R2JA021	M 8.2 OHM,J,2W	1	
R6861,62	ERJ6GEYG103	M 10KOHM,J,1/10W	2	
R6864	EXB38V220JV	RESISTOR ARRAY	1	
R6865	EXB38V103JV	RESISTOR ARRAY	1	
R6866	EXB38V220JV	RESISTOR ARRAY	1	
R6870	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R6871	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6871	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R6872	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6872	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6873	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6874	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6RBD561	M 560 OHM, 1/10W	1	
R6877	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6877	EXB38V220JV	RESISTOR ARRAY	1	
R6878	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6878	EXB38V103JV	RESISTOR ARRAY	1	
R6879	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R6879	EXB38V220JV	RESISTOR ARRAY	1	
R6880	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6881	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6882	ERJ6RED124	M 120KOHM, 1/10W	1	
R6883	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6883,84	ERJ6GEYG222	M 2.2KOHM,J,1/10W	2	
R6885	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6885	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6886	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6887,88	ERJ6ENF5102	M 51KOHM, 1/10W	2	
R6888	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R6889,90	ERJ6GEYG222	M 2.2KOHM,J,1/10W	2	
R6891	ERJ6GEYG183	M 18KOHM,J,1/10W	1	
R6891	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R6892	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6892	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R6893,94	EXB38V220JV	RESISTOR ARRAY	2	
R6895	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R6896	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6897	ERJ6ENF6200	M 620 OHM, 1/10W	1	
R6898	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6899	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6941	EXB38V220JV	RESISTOR ARRAY	1	
R6945	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R6947	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R6949-51	ERJ6GEYG103	M 10KOHM,J,1/10W	3	
R6952	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6953	EXB38V220JV	RESISTOR ARRAY	1	
R6955	EXB38V103JV	RESISTOR ARRAY	1	
R6957	EXB38V220JV	RESISTOR ARRAY	1	
R6958	EXB38V103JV	RESISTOR ARRAY	1	
R6959	EXB38V220JV	RESISTOR ARRAY	1	
R6963	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6965	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R6966	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6967	ERJ8GEYJ224	M 220KOHM, J,1/8W	1	
R6968	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6971-73	ERJ6GEYG221	M 220 OHM,J,1/10W	3	
R6974	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6975	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6977-79	ERJ6GEYG221	M 220 OHM,J,1/10W	3	
R7101-08	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	8	
R7109-16	EXB38V470J	RESISTOR ARRAY	8	
R7117,18	ERJ3GEYJ681	M 680 OHM,J,1/16W	2	
R7119	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R7120	EXB38V681J	RESISTOR ARRAY	1	
R7132,33	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7134-37	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	4	
R7138	D0GF472JA047	M 4.7KOHM,J,0.33W	1	
R7139-58	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	20	
R7159-61	EXB38V471J	RESISTOR ARRAY	3	
R7162,63	EXB38V470J	RESISTOR ARRAY	2	
R7164,65	EXB38V681J	RESISTOR ARRAY	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7166,67	EXB38V470J	RESISTOR ARRAY	2	
R7168	EXB38V681J	RESISTOR ARRAY	1	
R7170,71	EXB38V470J	RESISTOR ARRAY	2	
R7173	EXB38V470J	RESISTOR ARRAY	1	
R7176	EXB38V470J	RESISTOR ARRAY	1	
R7177	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7178	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R7180	EXB38V681J	RESISTOR ARRAY	1	
R7187-90	EXB38V220JV	RESISTOR ARRAY	4	
R7191	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7192	EXB38V681J	RESISTOR ARRAY	1	
R7193	EXB38V471J	RESISTOR ARRAY	1	
R7194,95	EXB38V681J	RESISTOR ARRAY	2	
R7196-99	EXB38V471J	RESISTOR ARRAY	4	
R7200-03	EXB38V470J	RESISTOR ARRAY	4	
R7210	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7212	EXB38V220JV	RESISTOR ARRAY	1	
R7213	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7214	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R7215	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7216-23	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	8	
R7232-35	EXB38V470J	RESISTOR ARRAY	4	
R7236-39	EXB38V471J	RESISTOR ARRAY	4	
R7244,45	EXB38V470J	RESISTOR ARRAY	2	
R7246,47	EXB38V681J	RESISTOR ARRAY	2	
R7252-55	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	4	
R7256	D0GF472JA047	M 4.7KOHM,J,0.33W	1	
R7257-72	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	16	
R7273	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7276-78	EXB38V220JV	RESISTOR ARRAY	3	
R7288,89	ERJ3GEYJ681	M 680 OHM,J,1/16W	2	
R7290	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R7292,93	EXB38V681J	RESISTOR ARRAY	2	
R7294	EXB38V471J	RESISTOR ARRAY	1	
R7295	EXB38V681J	RESISTOR ARRAY	1	
R7296,97	EXB38V471J	RESISTOR ARRAY	2	
R7298,99	EXB38V470J	RESISTOR ARRAY	2	
R7301	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7302	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R7303	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7304-19	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	16	
R7321-32	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	12	
R7333,34	EXB38V470J	RESISTOR ARRAY	2	
R7343	EXB38V681J	RESISTOR ARRAY	1	
R7357	D0GF472JA047	M 4.7KOHM,J,0.33W	1	
R7358,59	EXB38V470J	RESISTOR ARRAY	2	
R7364,65	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7367,68	EXB38V681J	RESISTOR ARRAY	2	
R7374-77	EXB38V220JV	RESISTOR ARRAY	4	
R7378	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R7379-92	EXB38V471J	RESISTOR ARRAY	14	
R7393-96	ERJ3GEYJ681	M 680 OHM,J,1/16W	4	
R7401,02	EXB38V471J	RESISTOR ARRAY	2	
R7403,04	EXB38V681J	RESISTOR ARRAY	2	
R7405-13	EXB38V471J	RESISTOR ARRAY	9	
R7414	EXB38V681J	RESISTOR ARRAY	1	
R7415,16	EXB38V471J	RESISTOR ARRAY	2	
R7422	EXB38V681J	RESISTOR ARRAY	1	
R7423,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7425,26	EXB38V470J	RESISTOR ARRAY	2	
R7427-42	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	16	
R7458	EXB38V681J	RESISTOR ARRAY	1	
R7468	D0GF472JA047	M 4.7KOHM,J,0.33W	1	
R7469-84	D0GZ6R8JA020	M 6.8 OHM,J, 0.5W	16	
R7485	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7486	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R7487-90	EXB38V220JV	RESISTOR ARRAY	4	
R7491	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7492,93	ERJ3GEYJ681	M 680 OHM,J,1/16W	2	
R7494	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R7495	EXB38V471J	RESISTOR ARRAY	1	
R7496	EXB38V681J	RESISTOR ARRAY	1	
R7701	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R7702	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R7703-05	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R7708	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7709	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R7710	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R7713	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R7716	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7731	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7792-99	ERJ3GEY0R00	M 0 OHM, 1/16W	8	
R8001	ERJ2GEJ181	M 180 OHM, J,0.063W	1	
R8002	ERJ2GEJ820	M 82 OHM, J,0.063W	1	
R8003	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8004	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R8005	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R8006	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R8030	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8031,32	ERJ3EKF2700	M 270 OHM, 1/16W	2	
R8056-73	ERJ2GEJ470	M 47 OHM, J,0.063W	18	
R8074	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R8075-78	ERJ2GEJ470	M 47 OHM, J,0.063W	4	
R8081	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8082	D1BA75R0A026	M0.75KOHM, 1/10W	1	
R8083	ERJ2GEJ301	M 300 OHM, J,0.063W	1	
R8086	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R8087	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8090	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8091	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R8093	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R8094	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8097	ERJ2GEJ221	M 220 OHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8098,99	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8100	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R8101	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8106	ERJ2GEJ202	M 2KOHM, J,0.063W	1	
R8107	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8110	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8307,08	ERJ2GEJ470	M 47 OHM, J,0.063W	2	
R8309	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8312	ERJ2RHD682X	M 22KOHM, J, 2W	1	
R8315	ERJ2RHD682X	M 22KOHM, J, 2W	1	
R8318,19	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R8327,28	ERJ2RHD682X	M 22KOHM, J, 2W	2	
R8330,31	D0YAR0000007	M 0.0 OHM, J,0.063W	2	
R8332	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R8335	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R8337	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R8338	ERJ3EKF1202	M 12KOHM, 1/16W	1	
R8340	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8343,44	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8346	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8348	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8349,50	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R8351-56	ERJ2GEJ103	M 10KOHM, J,0.063W	6	
R8357	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R8358	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8362-64	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R8366	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8367	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8369	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8370	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8372	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8379	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8380-83	ERJ2GEJ470	M 47 OHM, J,0.063W	4	
R8500-02	ERJ2RKD330	M 33 OHM, J,0.063W	3	
R8504	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8505	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8512	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8517-20	ERJ2RKD330	M 33 OHM, J,0.063W	4	
R8522	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8523	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R8524,25	D0YAR0000007	M 0.0 OHM, J,0.063W	2	
R8527	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8528-32	ERJ2GEJ560	M 56 OHM, J,0.063W	5	
R8538-45	ERJ2GEJ220	M 22 OHM, J,0.063W	8	
R8546-48	ERJ2GEJ332	M 3.3KOHM, J,0.063W	3	
R8550	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R8552,53	ERJ2GEJ182	M 1.8KOHM, J,0.063W	2	
R8554,55	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R8556	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8557,58	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R8559	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8560	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8561	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R8562,63	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8565	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8566	EXB28V103JX	RESISTOR ARRAY	1	
R8567	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8568,69	EXB28VR000X	RESISTOR ARRAY	2	
R8570	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R8571	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8573	EXB28V680JX	RESISTOR ARRAY	1	
R8574	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R8575	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8584,85	ERJ2RKD330	M 33 OHM, J,0.063W	2	
R8591	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R8595	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8604	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8661	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8663	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8664	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R8693	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8721,22	ERJ2GEJ560	M 56 OHM, J,0.063W	2	
R8729	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8764,65	ERJ3EKF75R0	M 0.75HM, 1/16W	2	
R8766	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8767	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R8769	ERJ2RKD330	M 33 OHM, J,0.063W	1	
R8770	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8772	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8787	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8792	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8796	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8844	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8850	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8864	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8865	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R8866	ERJ3EKF91R0	M 91 OHM, 1/16W	1	
R8875	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8903,04	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R9060-67	ERJ3GEYJ101	M 100 OHM,J,1/16W	8	
R9070	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9074	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9076	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9077,78	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9079	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9080	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9082	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R9085-87	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R9088,89	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9090	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9092	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9093,94	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9100	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9101,02	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9104,05	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9107	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9108,09	D0GB103JA057	M 10KOHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9111	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9113	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9115	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9117	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9118	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R9119	EXB38V470J	RESISTOR ARRAY	1	
R9121	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9122,23	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9124,25	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9127	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9129	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9130	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R9131-33	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R9135	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9136,37	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9139	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R9141	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9143-45	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R9147,48	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9149	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9150,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9152	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R9153	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9154,55	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9156	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9157	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9158,59	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9160,61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9162	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R9164	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9165	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R9166	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9167	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9168	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9170-72	D0GB393JA041	M 39KOHM,J,1/16W	3	
R9173,74	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9177	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9181-84	D0GB102JA057	M 1KOHM,J,1/16W	4	
R9185,86	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9187,88	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9189,90	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9193	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9194	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9196	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9200,01	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9203	D0GB102JA057	M 1KOHM,J,1/16W	1	
R9205	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9206,07	D0GB102JA057	M 1KOHM,J,1/16W	2	
R9215	D0GB123JA057	M 12KOHM,J,1/16W	1	
R9217-22	D0GB103JA057	M 10KOHM,J,1/16W	6	
R9223	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9225	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9237	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9240	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9367	ERJ6GEYG181	M 180 OHM,J,1/10W	1	
R9371	EXB2HV470JV	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9372	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9373	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9374	EXB38V470J	RESISTOR ARRAY	1	
R9375	D0GB151JA057	M 150 OHM,J,1/16W	1	
R9376,77	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R9393-97	EXB2HV220JV	RESISTOR ARRAY	5	
R9398	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9399	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9400	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9402,03	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R9404	EXB2HV470JV	RESISTOR ARRAY	1	
R9406	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9409	EXB38V470J	RESISTOR ARRAY	1	
R9412-21	EXB38V470J	RESISTOR ARRAY	10	
R9425,26	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9427	D0GB102JA057	M 1KOHM,J,1/16W	1	
R9428	EXB38V103JV	RESISTOR ARRAY	1	
R9432	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9442-45	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R9447-49	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R9450	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9451	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9452	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9453-58	EXB2HV220JV	RESISTOR ARRAY	6	
R9459	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9460	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9461	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9462	EXB2HV220JV	RESISTOR ARRAY	1	
R9463	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9464	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9465	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9466-71	EXB2HV220JV	RESISTOR ARRAY	6	
R9472,73	EXB38VR000V	RESISTOR ARRAY	2	
R9474	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9476	D0GB102JA057	M 1KOHM,J,1/16W	1	
R9480	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9483	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9484,85	ERJ3EKF1001	M 1KOHM, 1/16W	2	
R9486	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9487	D0GB151JA057	M 150 OHM,J,1/16W	1	
R9488	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9489-95	ERJ3GEYJ470	M 47 OHM,J,1/16W	7	
R9496	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9497	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9498	EXB38V470J	RESISTOR ARRAY	1	
R9499	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9501	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9503	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9506	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9507	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9513	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9514	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9516	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9520	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9521	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9523	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9525	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9528	EXB2HV222JV	RESISTOR ARRAY	1	
R9530,31	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9533	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9534	EXB38V470J	RESISTOR ARRAY	1	
R9535,36	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9539	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9540	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9543,44	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9545	ERJ3GEYJ304	M 300KOHM,J,1/16W	1	
R9548-50	D0GB103JA057	M 10KOHM,J,1/16W	3	
R9551,52	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9555	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9558	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9561-64	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R9566,67	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9568	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9569	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9570	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9571-73	EXB2HV220JV	RESISTOR ARRAY	3	
R9574	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9575-77	EXB2HV220JV	RESISTOR ARRAY	3	
R9578	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9580,81	ERJ3EKF1001	M 1KOHM, 1/16W	2	
R9582	EXB2HV470JV	RESISTOR ARRAY	1	
R9583	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9584	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9585,86	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9587-95	EXB38V470J	RESISTOR ARRAY	9	
R9596-99	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R9602	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9603	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9604	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9605	EXB2HVR000	RESISTOR ARRAY	1	
R9606	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9607	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9608-11	D1HG8208A002	NETWORK RESISTER	4	
R9612-15	EXB2HV470JV	RESISTOR ARRAY	4	
R9616	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9618	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9619,20	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9621	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9623	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9624	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9625-27	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9628	EXB2HV470JV	RESISTOR ARRAY	1	
R9629	EXB2HV220JV	RESISTOR ARRAY	1	
R9630	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9632	EXB38VR000V	RESISTOR ARRAY	1	
R9633	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9639	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9646,47	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9648	D0GB102JA057	M 1KOHM,J,1/16W	1	
R9651	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9656	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9657	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9824-27	ERJ3GEYJ101	M 100 OHM,J,1/16W	4	
R9828	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9830,31	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9839	EXB38V101JV	RESISTOR ARRAY	1	
R9840	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9845	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9846,47	EXB2HV222JV	RESISTOR ARRAY	2	
R9848,49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	EXB38V470J	RESISTOR ARRAY	1	
R9854	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9859	EXB38V101JV	RESISTOR ARRAY	1	
R9868	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9869-71	D0GB103JA057	M 10KOHM,J,1/16W	3	
R9872	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9875-77	D0GB103JA057	M 10KOHM,J,1/16W	3	
R9878	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R9879	ERJ3EKF1302	M 13KOHM, 1/16W	1	
R9880-82	ERJ6GEY0R00V	M 0 OHM, 1/10W	3	
R9886,87	ERJ3EKF5602	M 56KOHM, 1/16W	2	
R9888	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R9889	ERJ3EKF1822	M18.2KOHM, 1/16W	1	
R9890	ERJ3EKF4752	M47.5KOHM, 1/16W	1	
R9891	ERJ3EKF1272	M12.7KOHM, 1/16W	1	
R9892	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9893	ERJ3EKF5602	M 56KOHM, 1/16W	1	
R9894	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R9895	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9896	ERJ3EKF1822	M18.2KOHM, 1/16W	1	
R9897	ERJ3EKF4752	M47.5KOHM, 1/16W	1	
R9901	EXB2HV222JV	RESISTOR ARRAY	1	
R9902	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
RM2501	PNA4701M05TV	REMOCON RECEIVER	1	
S2	K1KA02BA0061	2P CONNECTOR	1	
SC2	K1KA02A00676	2P CONNECTOR	1	
SC20	K1KA31B00005	31P CONNECTOR	1	
SC30	K1KA10AA0191	10P CONNECTOR	1	
SC41-44	K1ML80B00001	80P CONNECTOR	4	
SC45,46	K1KA15AA0717	15P CONNECTOR	2	
SD46	K1KB15AA0227	15P CONNECTOR	1	PAVCA
SD48	K1MN20BA0231	20P CONNECTOR	1	
SDI1-I4	K1MND6BA0264	6P CONNECTOR	4	PAVCA
SS11	K1KA02A00676	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS23	K1KA04AA0193	4P CONNECTOR	1	
SS33	K1KA04AA0193	4P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS35	K1KA10A00416	10P CONNECTOR	1	
SS52-57	K1MN13BA0258	13P CONNECTOR	6	
SSMM1	TMME190	CLAMPER	1	
SSMM2,M3	TMME260	CLAMPER	2	
SU45	K1KB15AA0227	15P CONNECTOR	1	PAVCA
SU47	K1MN20BA0231	20P CONNECTOR	1	
SUI1-I4	K1MND6BA0264	6P CONNECTOR	4	PAVCA
SW2500	K0F122A00172	SWITCREMOTE CONTROLH	1	
SW3754-58	EVQPC105K	SWITCH	5	
T6602	ETS28AU3H9AC	SWITCHING TRANS	1	
TU8300	ENGE6602KRF	TUNER	1	PAVCA ⚠
VR6000	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6600	EVMEASA00B24	CONTROL 20KOHMB 0.3W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
VR6602	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
VR6841	EVMEASA00B24	CONTROL 20KOHMB 0.3W	1	
X1100	H0J100500035	CRYSTAL	1	
X2010	H0J245500082	CRYSTAL	1	
X4500	H0J270500113	CRYSTAL	1	
X5000	H0J270500087	CRYSTAL	1	
X8001	H0J270500061	CRYSTAL	1	
X8300	H0J250500079	CRYSTAL	1	PAVCA
X9000	H2D100500004	CRYSTAL	1	
X9200	H0J200500038	CRYSTAL	1	
ZA3001-04	K4CZ01000027	COMPATIBLE WITH JALCO K9	4	
ZA3006-08	K4CZ01000027	COMPATIBLE WITH JALCO K9	3	
ZA3701	K4CZ01000027	COMPATIBLE WITH JALCO K9	1	
ZA3702	K4CD01000013	AV TERMINAL	1	
ZA4701-03	K4AD01D00004	TERMINAL	3	
ZA6001-03	K4CD01000011	AV TERMINAL	3	
ZA6401-03	K4CD01000011	AV TERMINAL	3	
ZA7101, 02	K4AD01Z00001	TERMINAL	2	
ZA7103, 04	K4CD01000011	AV TERMINAL	2	
ZA7105	K4AD01Z00001	TERMINAL	1	
ZA7201	K4CD01000011	AV TERMINAL	1	
ZA7202-04	K4AD01Z00001	TERMINAL	3	
ZA7205	K4CD01000011	AV TERMINAL	1	
ZA7301-05	K4AD01Z00001	TERMINAL	5	
ZA7401-05	K4AD01Z00001	TERMINAL	5	
ZA9000	K4CD01000011	AV TERMINAL	1	
A601,02	RA362MSV7	ARRESTOR	2	⚠
C201	KZE1H220	ELECTROLYTIC CAPACITOR	1	
C202,03	DE2R221K	CERAMIC CAPACITOR	2	
C204	MPEF12393H	PLASTIC FILM CAPACITOR	1	
C205	MPEF12473H	PLASTIC FILM CAPACITOR	1	
C251	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C253	MBB104K5	CERAMIC CHIP CAPACITOR	1	
C254,55	ECQE6223KF	P 0.022UF, K,400V	2	
C256,57	EETHC2E821KH	ELECTROLYTIC CAPACITOR	2	
C301	KZE1H220	ELECTROLYTIC CAPACITOR	1	
C302,03	RR3DD101K	CERAMIC CAPACITOR	2	
C304	MPEF12393H	PLASTIC FILM CAPACITOR	1	
C351	ECQV1H224JL	PLASTIC FILM CAPACITOR	1	
C352	KZE1E182S	C 1800UF 25V	1	
C354,55	MBB224K2	CERAMIC CHIP CAPACITOR	2	
C357,58	KZE1E471L	ELECTROLYTIC CAPACITOR	2	
C401,02	TAB104K2E	CERAMIC CHIP CAPACITOR	2	
C403	EETHC2C471HX	ELECTROLYTIC CAPACITOR	1	
C404	KZE1H221	ELECTROLYTIC CAPACITOR	1	
C405	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C406	EETHC2A122JJ	ELECTROLYTIC CAPACITOR	1	
C409	TAB104K2E	CERAMIC CHIP CAPACITOR	1	
C451	KZE1A471	ELECTROLYTIC CAPACITOR	1	
C501	ECQU2A103ML	PLASTIC FILM CAPACITOR	1	⚠
C503	KMQ2W560	ELECTROLYTIC CAPACITOR	1	
C504	KZE1H220	ELECTROLYTIC CAPACITOR	1	
C505	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C506	MBB106K1A	CERAMIC CHIP CAPACITOR	1	
C507	KZE1H221	ELECTROLYTIC CAPACITOR	1	
C508	KZE1H220	ELECTROLYTIC CAPACITOR	1	
C551	KZE1A471	ELECTROLYTIC CAPACITOR	1	
C552	TBB474K2	CERAMIC CHIP CAPACITOR	1	
C554	MBB103K5	CERAMIC CHIP CAPACITOR	1	
C555	KZE1E470	C 470U 25V	1	
C556	MBB103K5	CERAMIC CHIP CAPACITOR	1	
C601	ECQU2A105ML	P 1UF, 250V	1	⚠
C602	ECQU2A474ML	PLASTIC FILM CAPACITOR	1	⚠
C603,04	ECKENA221KBR	C 221P 250V	2	⚠
C605	DE1R102K	CERAMIC CAPACITOR	1	
C606	4MPH474K	PLASTIC FILM CAPACITOR	1	
C610	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C611	KZE1H220	ELECTROLYTIC CAPACITOR	1	
C612-14	KMQ2W221KZ	ELECTROLYTIC CAPACITOR	3	
C615	ECKENA221KBR	C 221P 250V	1	⚠
C625	DE1R102K	CERAMIC CAPACITOR	1	
C626	DE2R471K	CERAMIC CAPACITOR	1	
C701	KZE1A471	ELECTROLYTIC CAPACITOR	1	
D201,02	AG01A	DIODE	2	
D251	D4SBL40	DIODE	1	
D253	MA2J11100L	DIODE	1	
D351	G865C10R	DIODE	1	
D352	AG01A	DIODE	1	
D353	G865C10R	DIODE	1	
D401	D6SBN20	DIODE	1	
D402	AG01A	DIODE	1	
D403	YG901C3R	DIODE	1	
D451	RK39	DIODE	1	
D501	B0EBKT000007	DIODE	1	⚠
D504	ST3D82	DIODE	1	
D505	AG01A	DIODE	1	
D506	RF101A2S	DIODE	1	
D551	RK39	DIODE	1	
D553	B0JCMD000024	DIODE	1	
D601,02	MA2J11100L	DIODE	2	
D603,04	AP01C	DIODE	2	
D606	B0EAKR000059	DIODE	1	
D701	MA2J11100L	DIODE	1	
D702	B0JCMD000024	DIODE	1	
F201	216005BP	FUSE 250V 5A	1	⚠
F301	216005BP	FUSE 250V 5A	1	⚠
F501	382T2C	MICRO FUSE	1	⚠
IC251	NJM1431AF	INTEGRATED CIRCUIT	1	
IC351	NJM1431AF	INTEGRATED CIRCUIT	1	
IC401	NJM1431AF	INTEGRATED CIRCUIT	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC451	PQ1CN41H2Z	VOLTAGE REGULATOR	1	
IC501	MIP3E30MP	IC	1	⚠
IC551	NJM1431AF	INTEGRATED CIRCUIT	1	
IP701	ERBSE0R75U	MICRO FUSE	1	
K601-03	KT329C93	RELAY	3	⚠
L401	LH8TB681K	CHOKE	1	
L402	H221012HY	CHOKE	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404	EXCELSR35	BEAD CHOKE	1	
L451	SNK1012A	CHOKE	1	
L501	EXCELSA35	BEAD CHOKE	1	
L502,03	EXCELDR35	BEAD CHOKE	2	
L504	EXCELSA35	BEAD CHOKE	1	
L601,02	P3110307Y	FILTER CHOKE	2	⚠
L603	ETB50CZ13GAD	CHOKE TRANS	1	
MC201	MLQNF392	MODULE	1	⚠
MC202	MLKJA100	MODULE	1	⚠
MC203	MP00R3A1	MODULE	1	⚠
MC301	MLQNF682	MODULE	1	⚠
MC351	MLJFF103	MODULE	1	⚠
MC401	MLPSC223	MODULE	1	⚠
MC501	MLTZB100	MODULE	1	⚠
MC502	MLJHA103	MODULE	1	⚠
MC601	MLLPF562	MODULE	1	⚠
MC603	MP00P15A2	MODULE	1	⚠
MC701	MLZDE103	MODULE	1	⚠
P2	B2P3-VH-B	CONNECTOR	1	
P5	B11B-PH-KS	CONNECTOR	1	
P9	B03P-VL	CONNECTOR	1	⚠
P10	B6B-PH-KS	CONNECTOR	1	
P11	B2P3-VH-B	CONNECTOR	1	
P12	B10B-PH-KS	CONNECTOR	1	
P25	B20B-PHDSS	CONNECTOR	1	
PC201,02	TLP421F	OPTOISOLATOR	2	⚠
PC301,02	TLP421F	OPTOISOLATOR	2	⚠
PC401	TLP421F	OPTOISOLATOR	1	⚠
PC501,02	TLP421F	OPTOISOLATOR	2	⚠
Q301,02	FMA16N55G	FIELD EFFECT TRANSISTOR	2	⚠
Q351,52	2SK2510	FIELD EFFECT TRANSISTOR	2	
Q401	2SK3607	FIELD EFFECT TRANSISTOR	1	
Q402,03	2SA17670Q1TV	TRANSISTOR	2	
Q551	HAT1130R	FET	1	
Q552	2SB710AQRSTX	TRANSISTOR	1	
Q602	2SD2185	TRANSISTOR	1	
Q603	2SB14400RL	TRANSISTOR	1	
Q701,02	2SD602A-R	TRANSISTOR	2	
Q704	2SK3018	FIELD EFFECT TRANSISTOR	1	
R201	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R202	ERQ14AJ4R7J	FUSIBLE METAL FILM RESISTOR	1	
R203,04	ERJ6GEYJ334	M 330KOHM,J,1/10W	2	
R205	ERJ6ENF9091	M9.09KOHM, 1/10W	1	
R206-08	ERJ12YJ683	M 68KOHM, 1/2W	3	
R215,16	SG732K220	CHIP RESISTOR	2	
R251-54	ERJ6ENF5902	M 59KOHM, 1/10W	4	
R258	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R259	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R260	ERJ6GEYF151	M 150 OHM,F,1/10W	1	
R261	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R263	ERJ6GEYG102	M 1KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R264	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R265	ERJ6ENF2553	M 255KOHM, 1/10W	1	
R266	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R267	ERJ6ENF2553	M 255KOHM, 1/10W	1	
R268	ERJ6ENF1743	M 174KOHM, 1/10W	1	
R269	ERJ6ENF2703	M 270KOHM, 1/10W	1	
R270	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R299	ERJ6ENF5902	M 59KOHM, 1/10W	1	
R301	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R302	ERQ14AJ4R7J	FUSIBLE METAL FILM RESISTOR	1	
R303,04	ERJ6GEYJ334	M 330KOHM,J,1/10W	2	
R305	ERJ6ENF4021	M4.02KOHM, 1/10W	1	
R306-08	ERJ12YJ683	M 68KOHM, 1/2W	3	
R309	ERG1SJ680	METAL OXIDE RESISTOR	1	
R310	ERG12SJ220	METAL OXIDE FILM RESISTOR	1	
R351	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R352	ERJ12YJ100	M 10 OHM,J, 1/2W	1	
R353	ERJ6GEYF561	M 560 OHM,F,1/10W	1	
R355	ERJ6GEYG682	CHIP RESISTOR	1	
R356	ERJ6GEYF561	M 560 OHM,F,1/10W	1	
R358	ERJ6RND1002	CHIP RESISTOR	1	
R359	ERJ6RND5362	CHIP RESISTOR	1	
R362	ERJ12YJ332	M 3.3KOHM,J, 1/2W	1	
R363,64	ERJ6GEYF333	M 33KOHM,J,1/10W	2	
R365	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R366	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R367	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R368,69	ERJ6GEYG102	M 1KOHM,J,1/10W	2	
R370	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R371	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R372	ERJ6ENF7500	M 750 OHM, 1/10W	1	
R403	ERJ12YJ100	M 10 OHM,J, 1/2W	1	
R404	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R405	MPC2WR10J	METAL PLATE RESISTOR	1	
R406	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R407	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R408	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R409	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R410	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R411,12	ERJ6GEYG152	CHIP RESISTOR	2	
R413,14	ERJ6ENF1622	M16.2KOHM, 1/10W	2	
R415	ERJ6ENF8872	CHIP RESISTOR	1	
R416	ERJ6ENF8061	M8.06KOHM, 1/10W	1	
R417-19	ERJ6ENF3572	M35.7KOHM, 1/10W	3	
R420	ERJ6ENF3570	CHIP RESISTOR	1	
R451	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R452	ERJ6GEYF124	CHIP RESISTOR	1	
R453	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R454	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R455	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R456	ERJ6ENF1332	M13.3KOHM, 1/10W	1	
R502	RCR6J825	METAL GLAZE FIXED RESISTOR	1	⚠
R505	ERJ6GEYF561	M 560 OHM,F,1/10W	1	
R506-11	ERJ6ENF8253	M 825KOHM, 1/10W	6	
R514-21	ERJ6ENF2703	M 270KOHM, 1/10W	8	
R522	ERJ6GEYJ180	M 18 OHM,J,1/10W	1	
R551	ERJ6GEYG121	CHIP RESISTOR	1	
R552	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R553	ERJ6GEYJ150	M 15 OHM,J,1/10W	1	
R555	ERJ6RND1102	CHIP RESISTOR	1	
R556	ERJ6RND1002	CHIP RESISTOR	1	
R557	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R558	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R559	ERJ6GEYG332	M 3.3KOHM,J,1/10W	1	
R561	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R562	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R563,64	ERJ6GEYG221	M 220 OHM,J,1/10W	2	
R565	ERJ6ENF2200	M 220 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R601	RCR5J624	METAL GLAZE FIXED RESISTOR	1	⚠
R602	R5B100J	W 10 OHM, J, 5W	1	
R603-06	ERJ6ENF2053	CHIP RESISTOR	4	
R607-10	ERJ6ENF3743	CHIP RESISTOR	4	
R611	ERJ6ENF2053	CHIP RESISTOR	1	
R617,18	RF5EJR15B	METAL PLATE RESISTOR	2	
R619	RF5EJR10B	METAL PLATE RESISTOR	1	
R621	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R622	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R623	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R624	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R625	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R626	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R627	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R628	ERQ14AJ330J	FUSIBLE METAL FILM RESISTOR	1	
R629	ERJ6GEYG154	CHIP RESISTOR	1	
R630	ERJ6ENF5902	M 59KOHM, 1/10W	1	
R631-36	ERJ6ENF1103	M 110KOHM, 1/10W	6	
R701	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R702	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R703	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R704	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R706	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R707	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R708	ERJ14YJ471	CHIP RESISTOR	1	
R709	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R710	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R711	ERJ14YJ471	CHIP RESISTOR	1	
R712	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R713	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R716	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R717	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R718	ERJ6GEYG470V	M 47 OHM,J,1/10W	1	
R719,20	ERJ6GEYJ1R0	M 1 OHM,J,1/10W	2	
RF601	A5MC100JP2	139C 10	1	⚠
T201	ETB50LZ16GAD	TRANSFORMER	1	⚠
T301	ETB50LZ17GAD	TRANSFORMER	1	⚠
T501	ETB25BG118AD	TRANSFORMER	1	⚠
VR251	EVMEASA01B55	VARIABLE RESISTOR	1	
VR401	EVMEASA01B24	VARIABLE RESISTOR	1	
Z501	ERZVGAD471	VARISTOR	1	⚠
Z601	ERZVGED751	VARISTOR	1	⚠
Z602	ERZVGAD471	VARISTOR	1	⚠
ZD201,02	MAZ4270NMF	ZENER DIODE	2	
ZD301,02	MAZ4270NMF	ZENER DIODE	2	
ZD305	MAZ4270NMF	ZENER DIODE	1	
ZD401	MA4033	ZENER DIODE	1	
ZD402	MA8360	ZENER DIODE	1	
ZD451	MAZ4068NMF	ZENER DIODE	1	
ZD501,02	MAZ83000ML	ZENER DIODE	2	
ZD503	MA4082N	ZENER DIODE	1	
ZD601	MA4047N	ZENER DIODE	1	